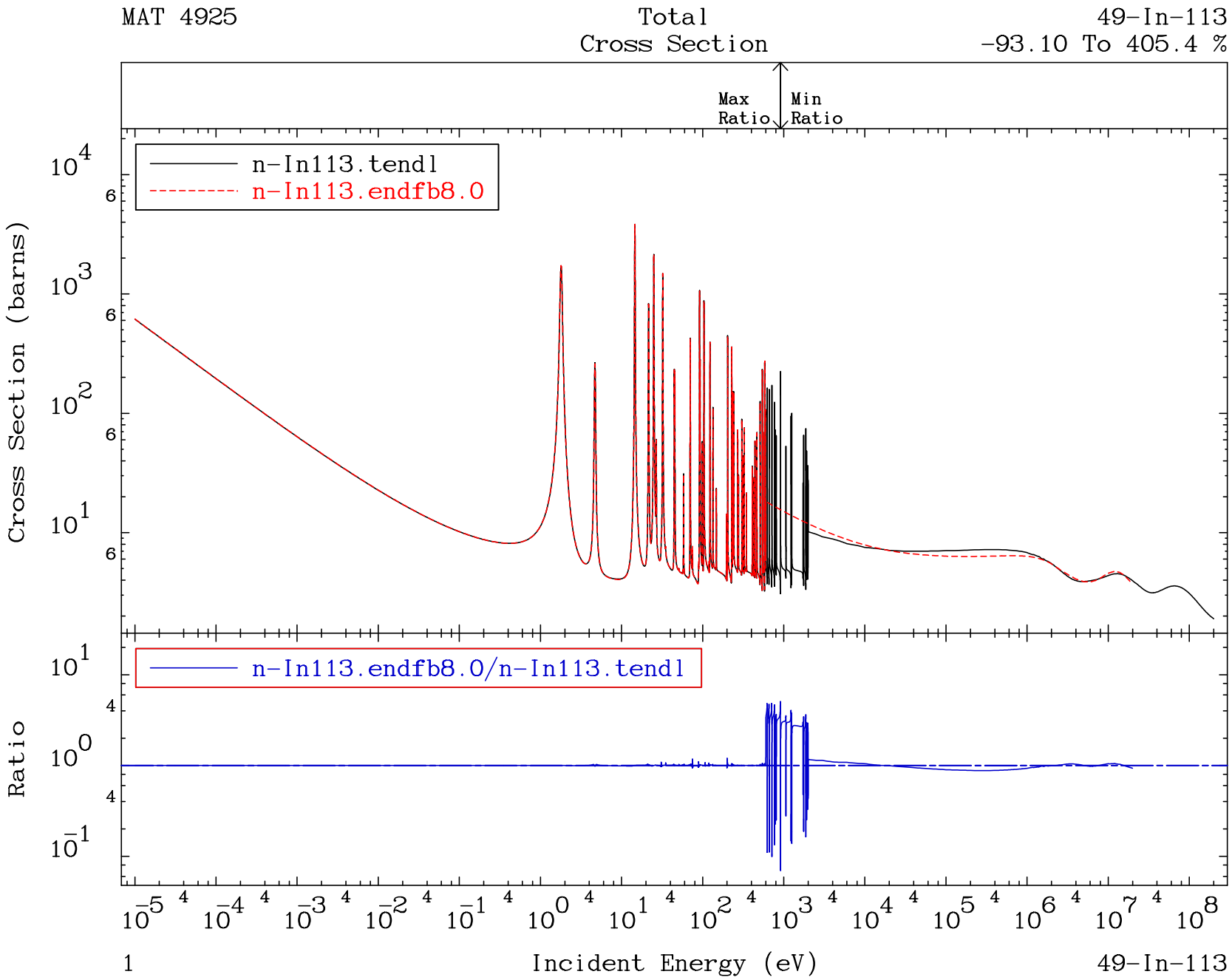
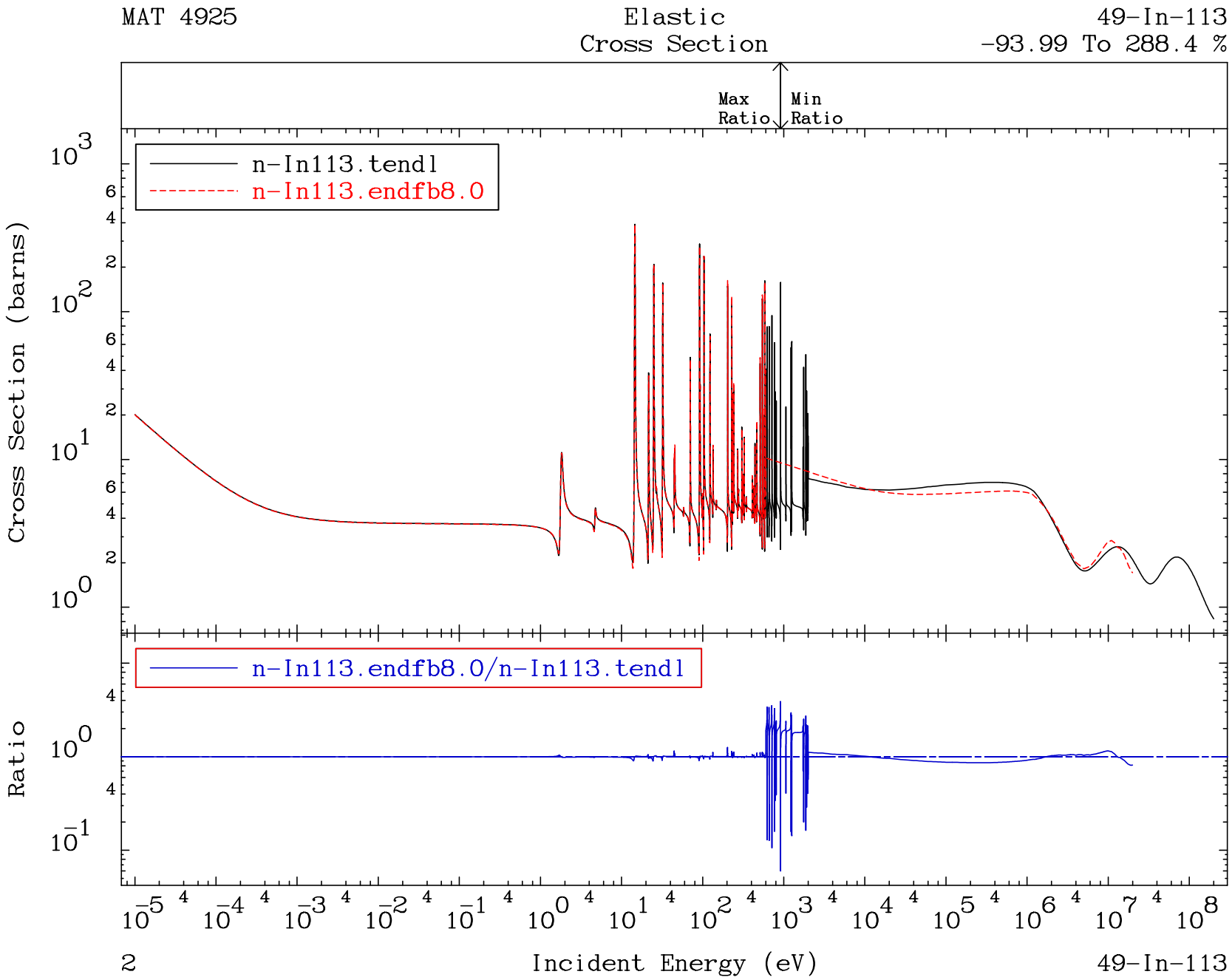
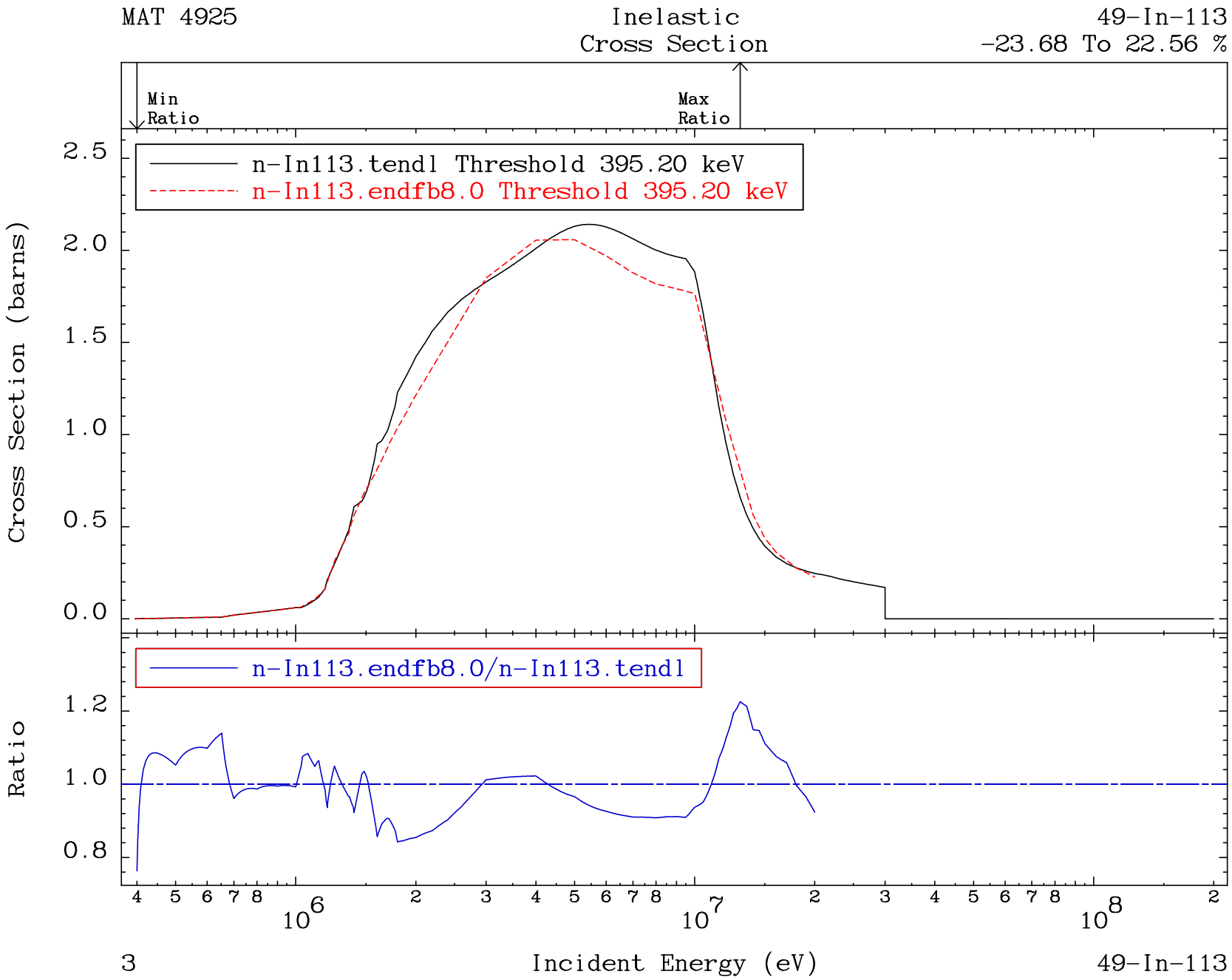
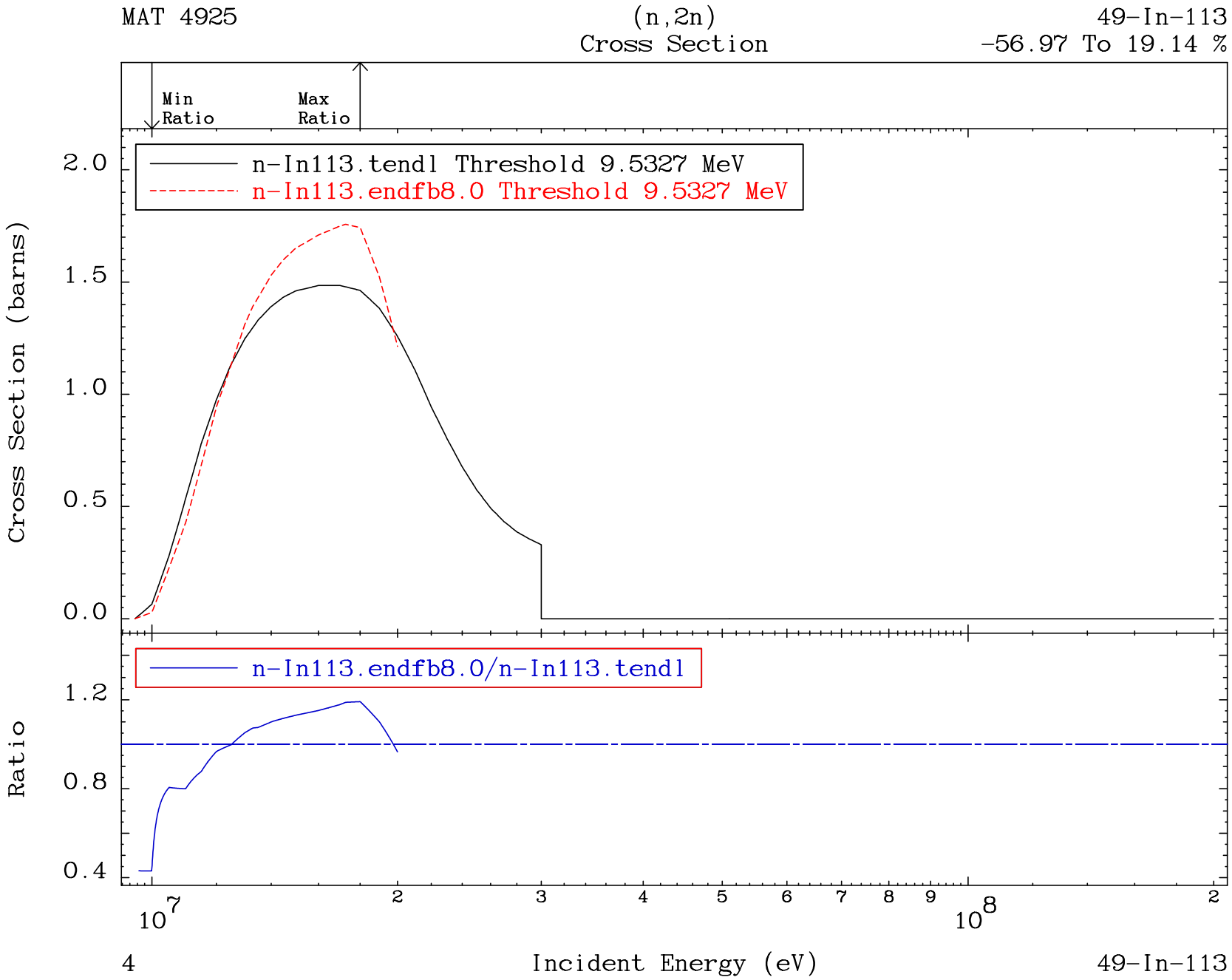
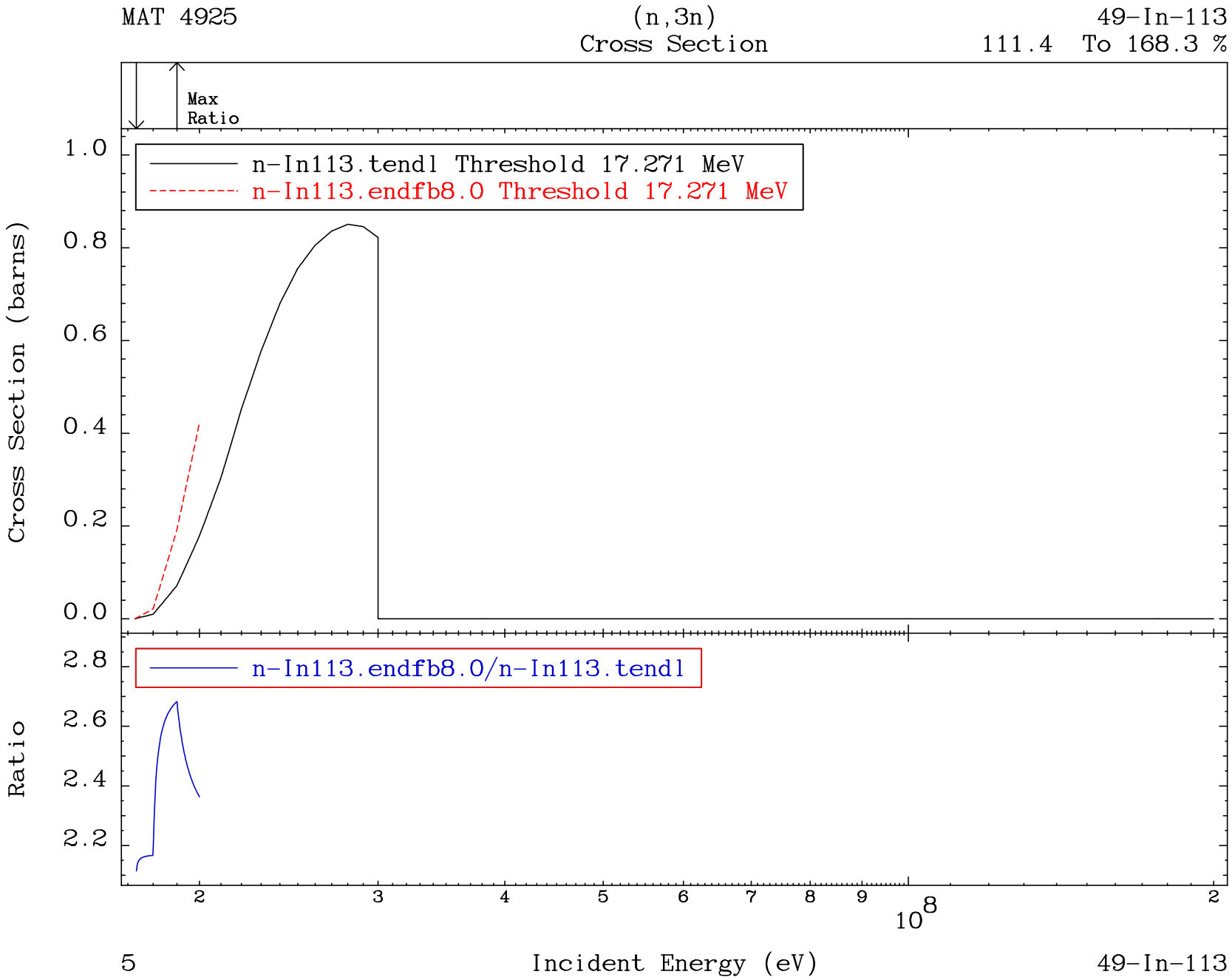
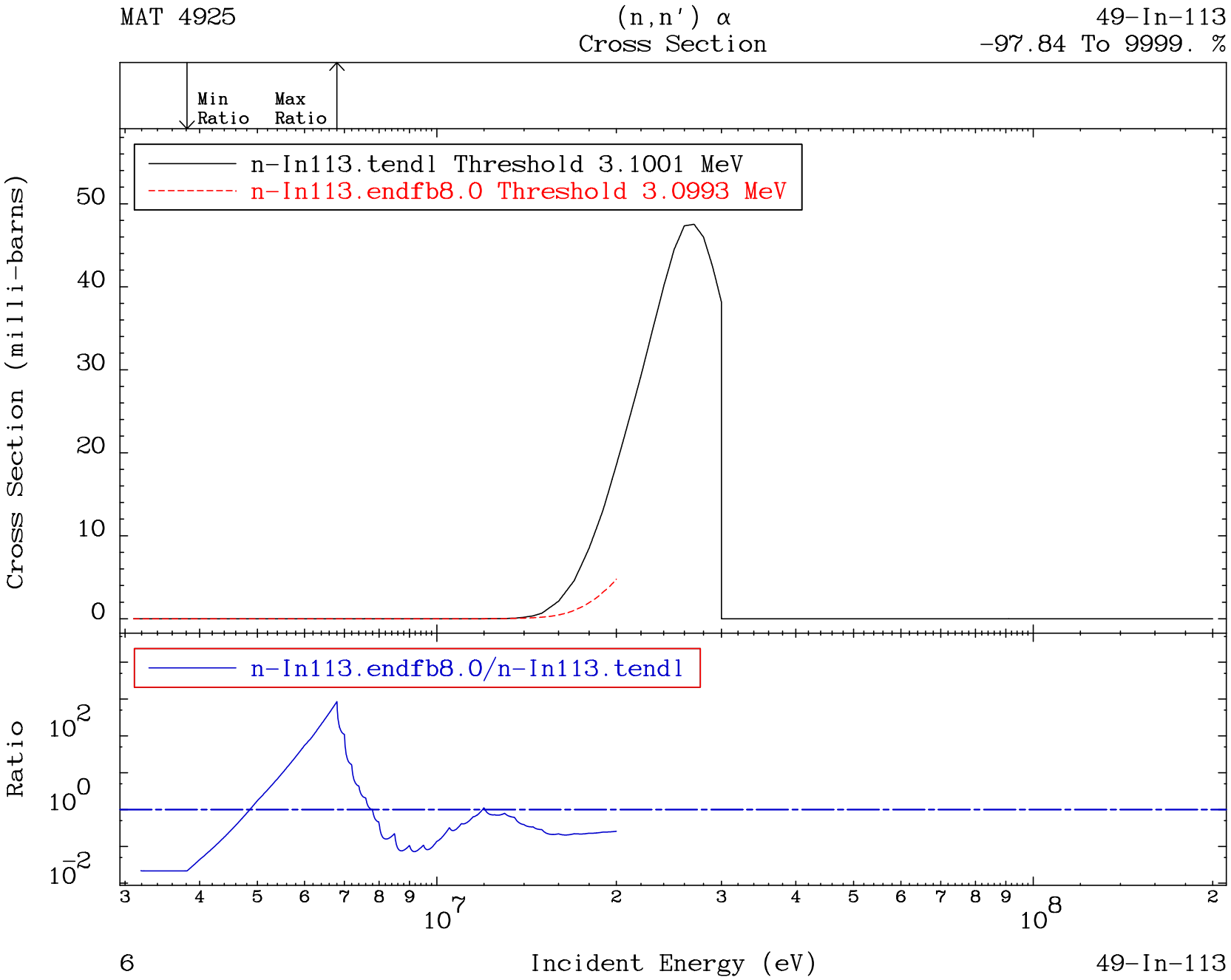

MAT 4925
Total
Cross Section
49-In-113
-93.10 To 405.4 %
Max Ratio
Min Ratio
n-In113.tendl
n-In113.endfb8.0
Cross Section (barns)
n-In113.endfb8.0/n-In113.tendl
Ratio
Incident Energy (eV)
1
49-In-113

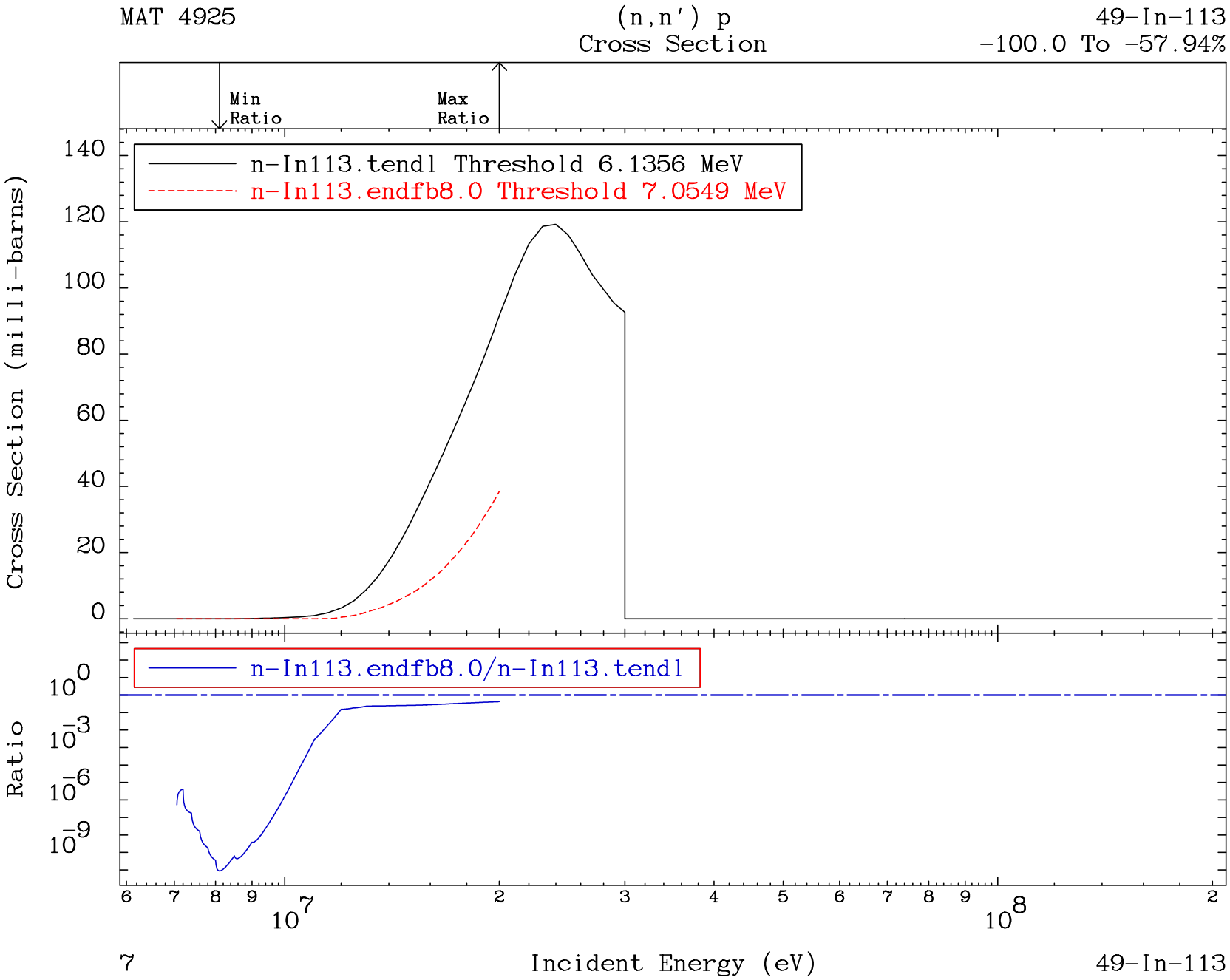

MAT 4925
Elastic
Cross Section
49-In-113
-93.99 To 288.4 %
Max Ratio
Min Ratio
n-In113.tendl
n-In113.endfb8.0
Cross Section (barns)
n-In113.endfb8.0/n-In113.tendl
Ratio
Incident Energy (eV)
2
49-In-113

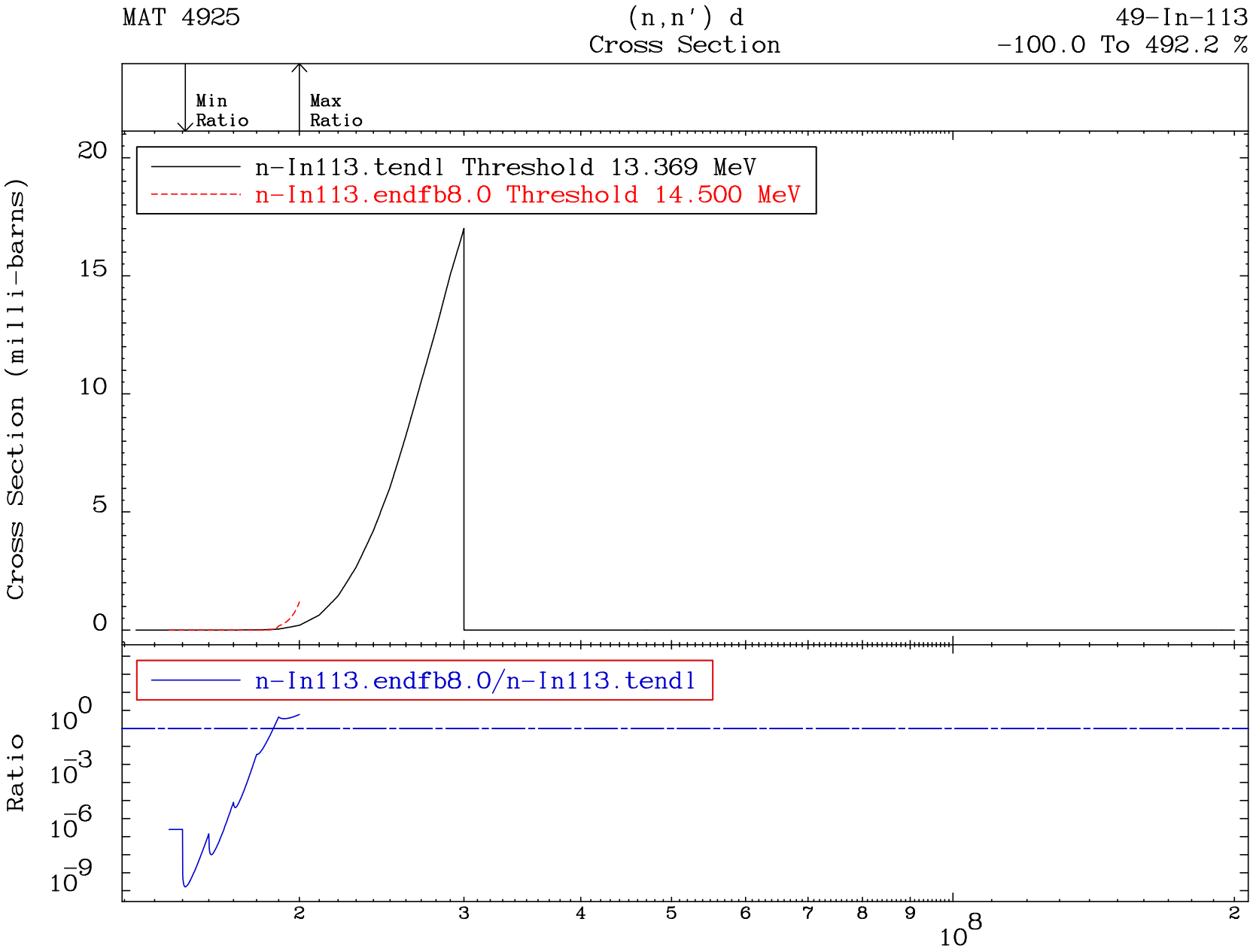

MAT 4925
Inelastic
Cross Section
49-In-113
-23.68 To 22.56 %
Min
Ratio
Max
Ratio
n-In113.tendl Threshold 395.20 keV
n-In113.endfb8.0 Threshold 395.20 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-In113.endfb8.0/n-In113.tendl
Ratio
1.2
1.0
0.8
4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
3
Incident Energy (eV)
49-In-113

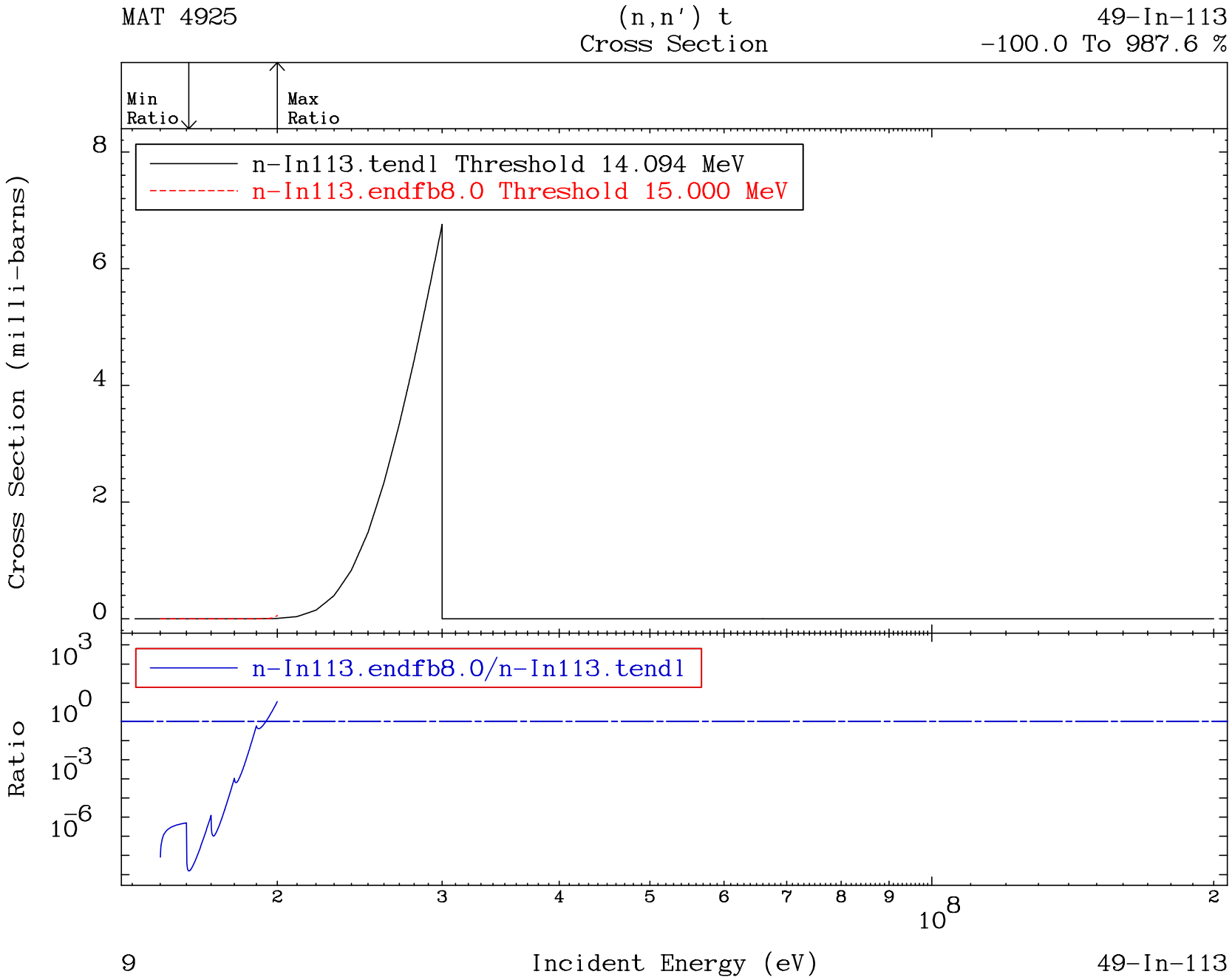

MAT 4925
(n,2n)
Cross Section
49-In-113
-56.97 To 19.14 %
Min Ratio
Max Ratio
n-In113.tendl Threshold 9.5327 MeV
n-In113.endfb8.0 Threshold 9.5327 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-In113.endfb8.0/n-In113.tendl
Ratio
1.2
0.8
0.4
10^7
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
49-In-113

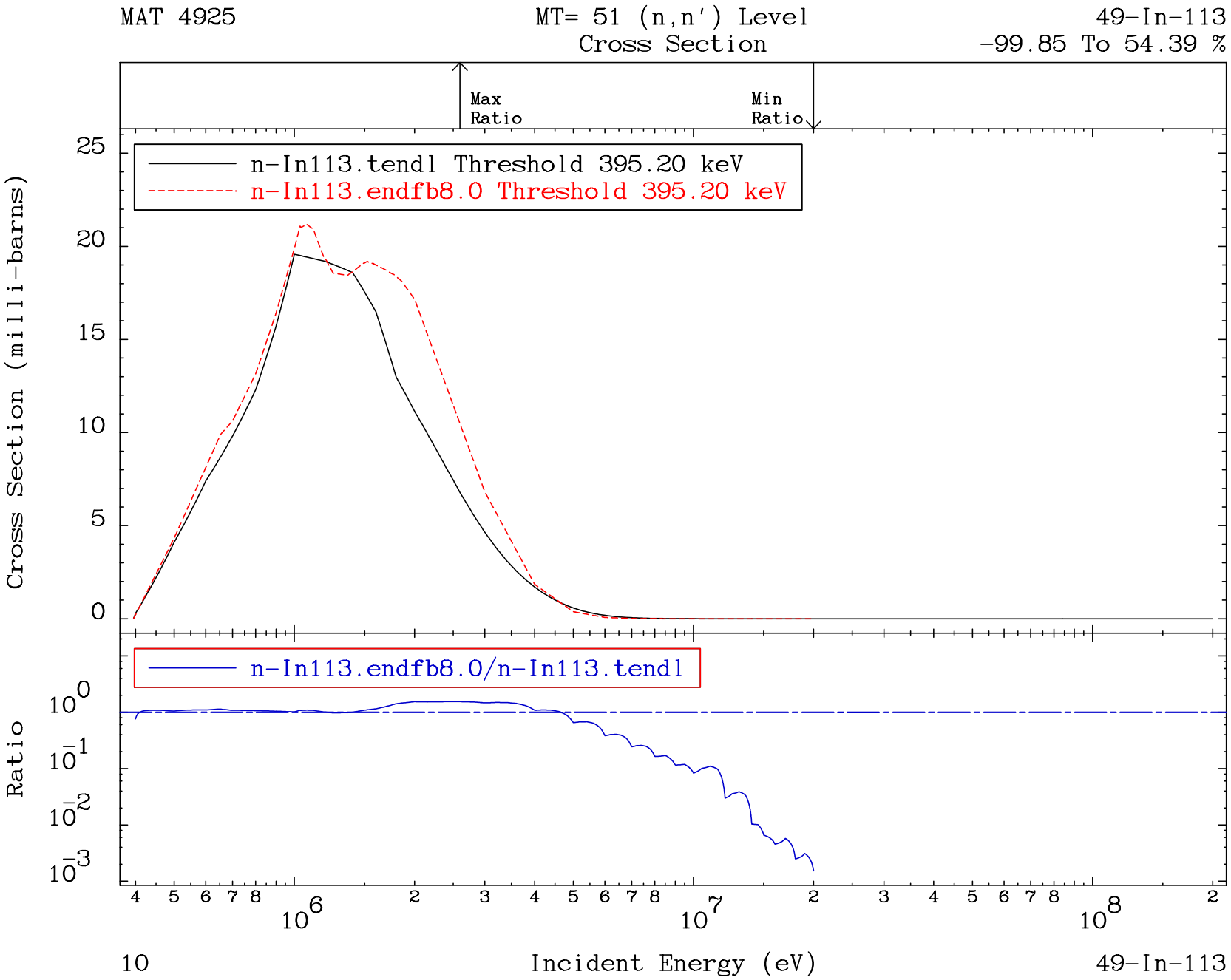

MAT 4925
(n,3n)
Cross Section
49-In-113
111.4 To 168.3 %
Max
Ratio
n-In113.tendl Threshold 17.271 MeV
n-In113.endfb8.0 Threshold 17.271 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
n-In113.endfb8.0/n-In113.tendl
Ratio
2.8
2.6
2.4
2.2
2
3
4
5
6
7
8
9
2
10^8
5
Incident Energy (eV)
49-In-113

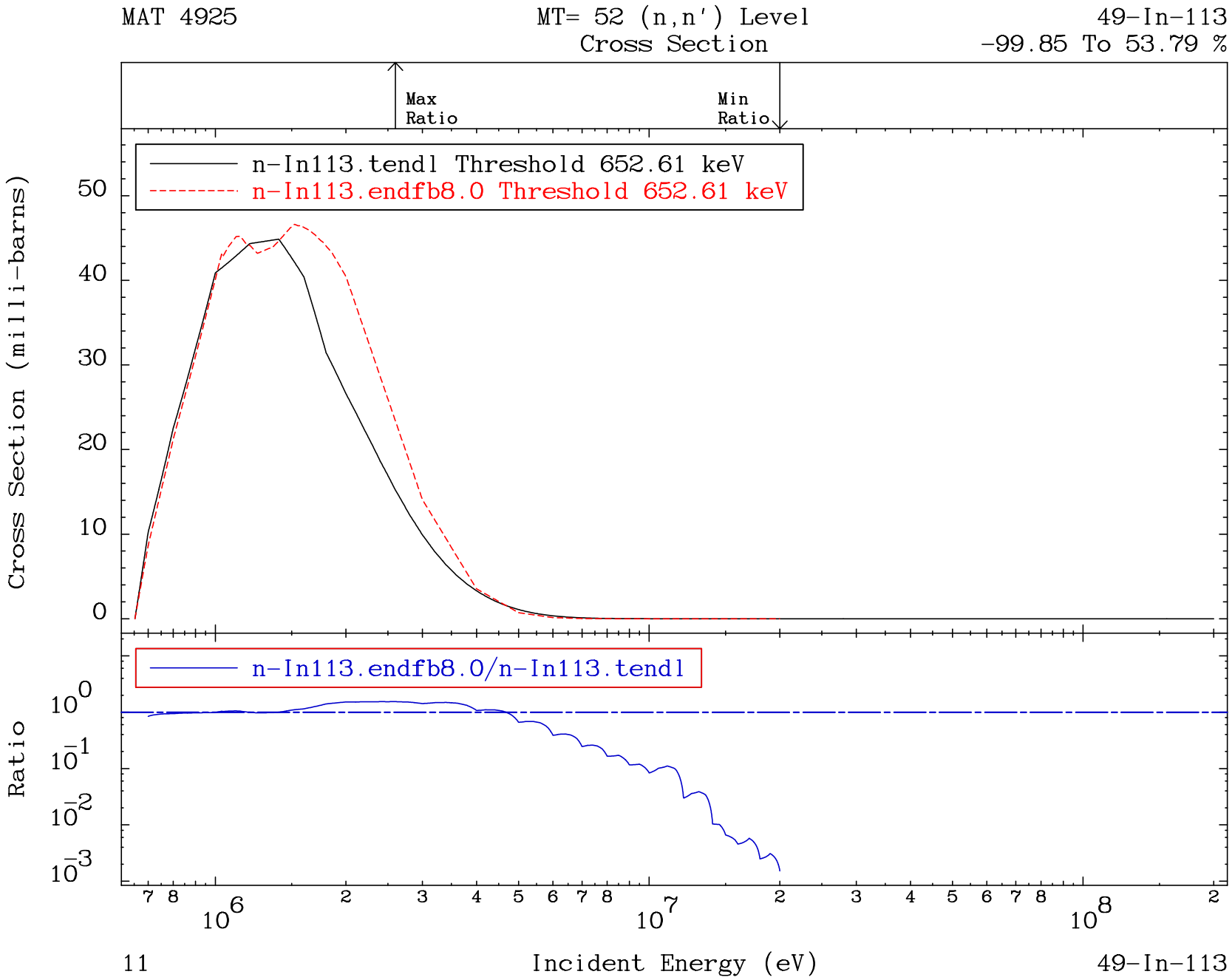

MAT 4925
(n,n') α
Cross Section
49-In-113
-97.84 To 9999. %
Min Ratio
Max Ratio
n-In113.tendl Threshold 3.1001 MeV
n-In113.endfb8.0 Threshold 3.0993 MeV
Cross Section (milli-barns)
0
10
20
30
40
50
n-In113.endfb8.0/n-In113.tendl
Ratio
10^2
10^0
10^-2
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
Incident Energy (eV)
6
49-In-113

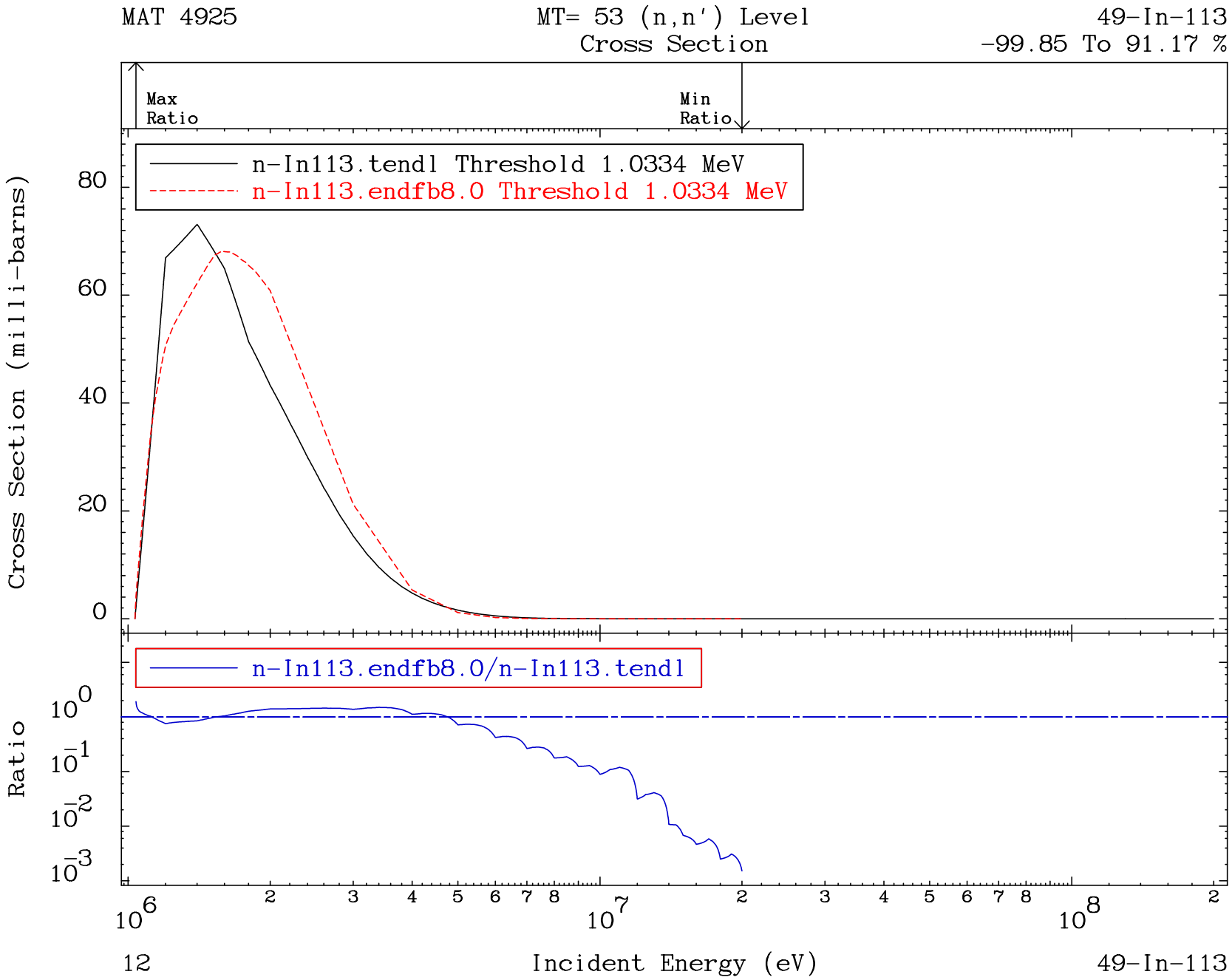

MAT 4925
(n,n') p
Cross Section
49-In-113
-100.0 To -57.94%
Min Ratio
Max Ratio
n-In113.tendl Threshold 6.1356 MeV
n-In113.endfb8.0 Threshold 7.0549 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-In113.endfb8.0/n-In113.tendl
Ratio
10^0
10^-3
10^-6
10^-9
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
7
Incident Energy (eV)
49-In-113

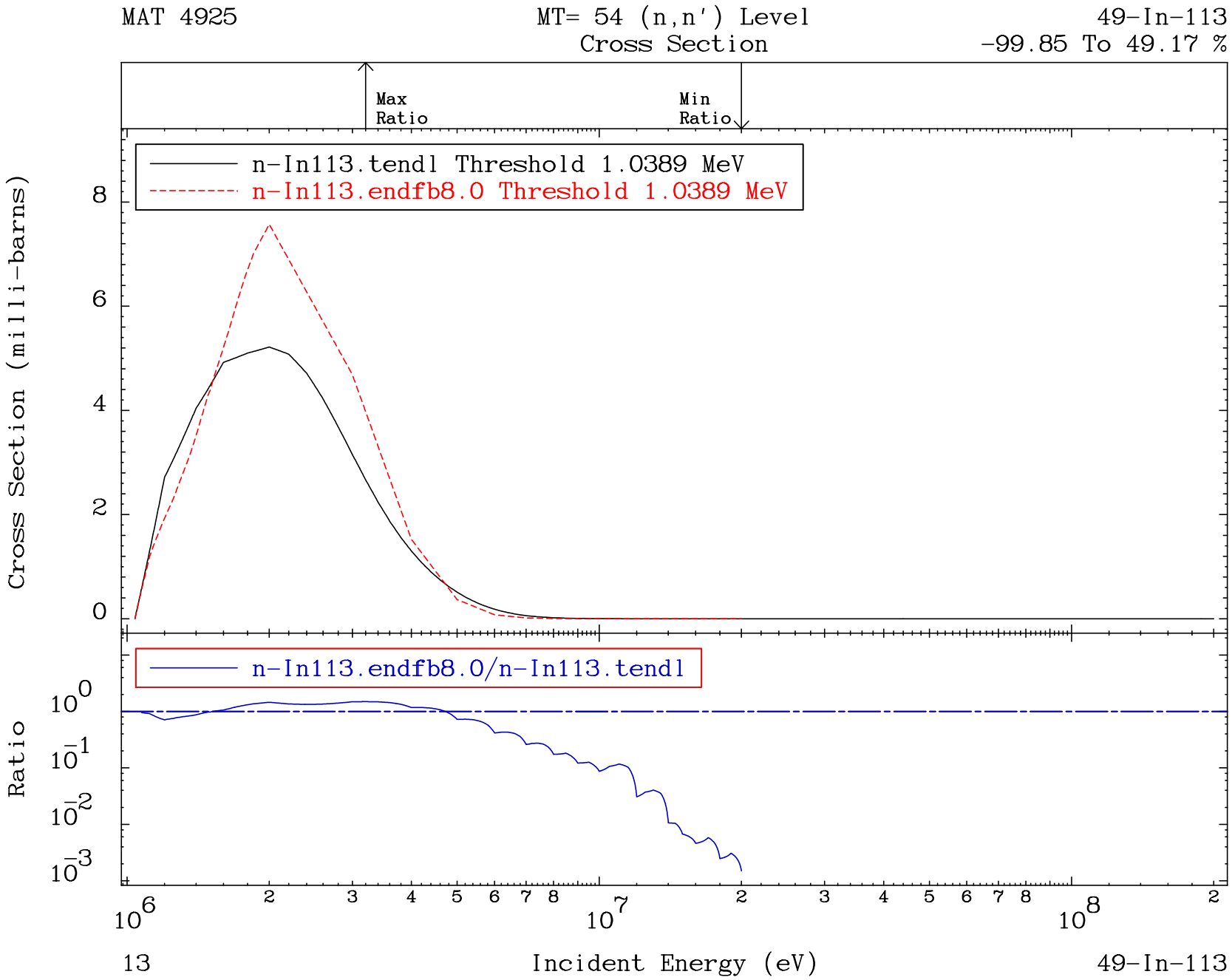

MAT 4925
(n,n') d
Cross Section
49-In-113
-100.0 To 492.2 %
Min Ratio
Max Ratio
n-In113.tendl Threshold 13.369 MeV
n-In113.endfb8.0 Threshold 14.500 MeV
Cross Section (milli-barns)
20
15
10
5
0
n-In113.endfb8.0/n-In113.tendl
Ratio
10^0
10^-3
10^-6
10^-9
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
49-In-113

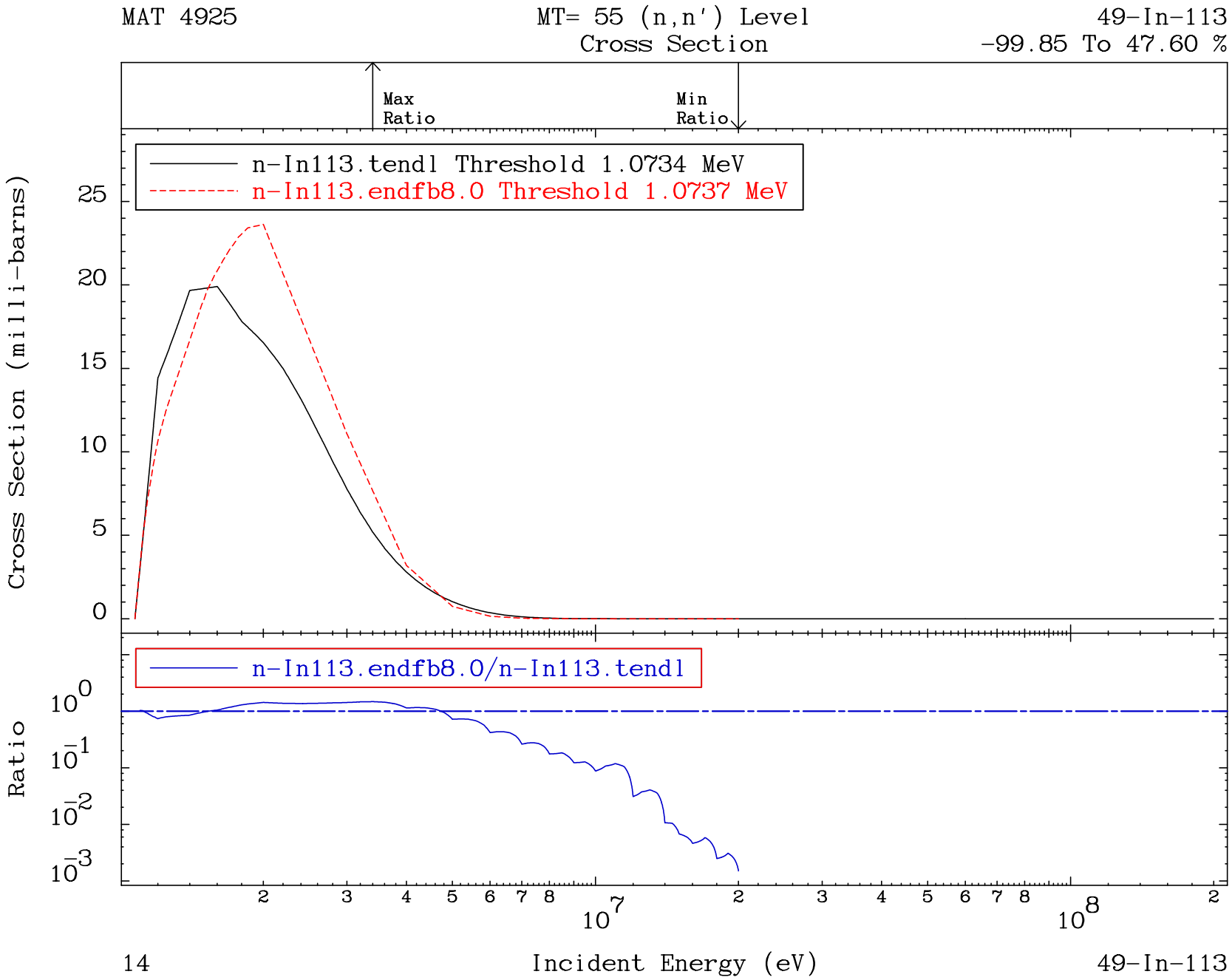

MAT 4925
(n,n') t
Cross Section
49-In-113
-100.0 To 987.6 %
Min Ratio
Max Ratio
n-In113.tendl Threshold 14.094 MeV
n-In113.endfb8.0 Threshold 15.000 MeV
Cross Section (milli-barns)
n-In113.endfb8.0/n-In113.tendl
Ratio
Incident Energy (eV)
9
49-In-113

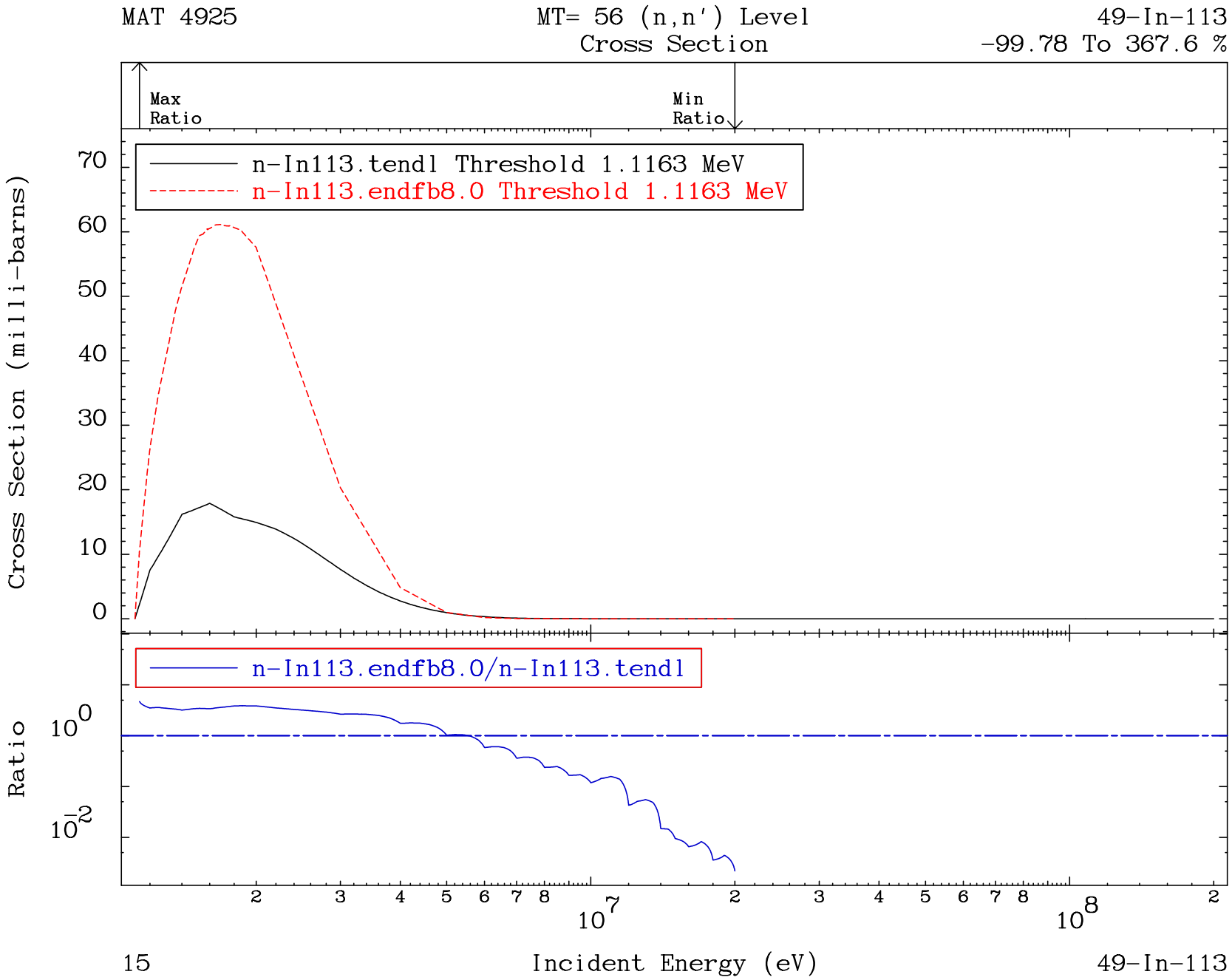

MAT 4925
MT= 51 (n,n') Level
Cross Section
49-In-113
-99.85 To 54.39 %
Max
Ratio
Min
Ratio
n-In113.tendl Threshold 395.20 keV
n-In113.endfb8.0 Threshold 395.20 keV
Cross Section (milli-barns)
25
20
15
10
5
0
n-In113.endfb8.0/n-In113.tendl
Ratio
10^0
10^-1
10^-2
10^-3
4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
10
Incident Energy (eV)
49-In-113

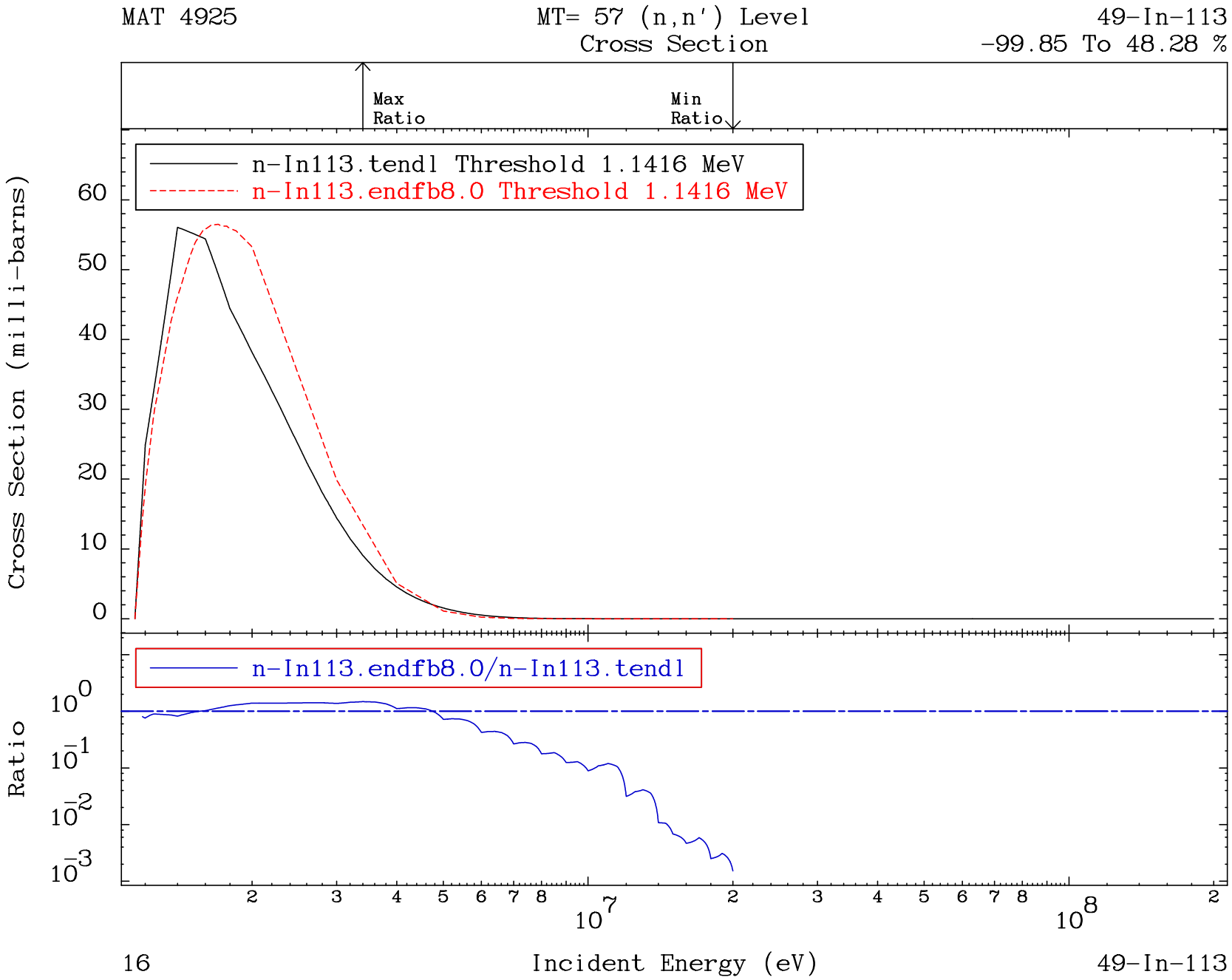

MAT 4925
MT= 52 (n,n') Level
Cross Section
49-In-113
-99.85 To 53.79 %
Max
Ratio
Min
Ratio
n-In113.tendl Threshold 652.61 keV
n-In113.endfb8.0 Threshold 652.61 keV
Cross Section (milli-barns)
50
40
30
20
10
0
n-In113.endfb8.0/n-In113.tendl
Ratio
10^0
10^-1
10^-2
10^-3
7 8
10^6
2
3
4
5
6
7 8
10^7
2
3
4
5
6
7 8
10^8
2
11
Incident Energy (eV)
49-In-113

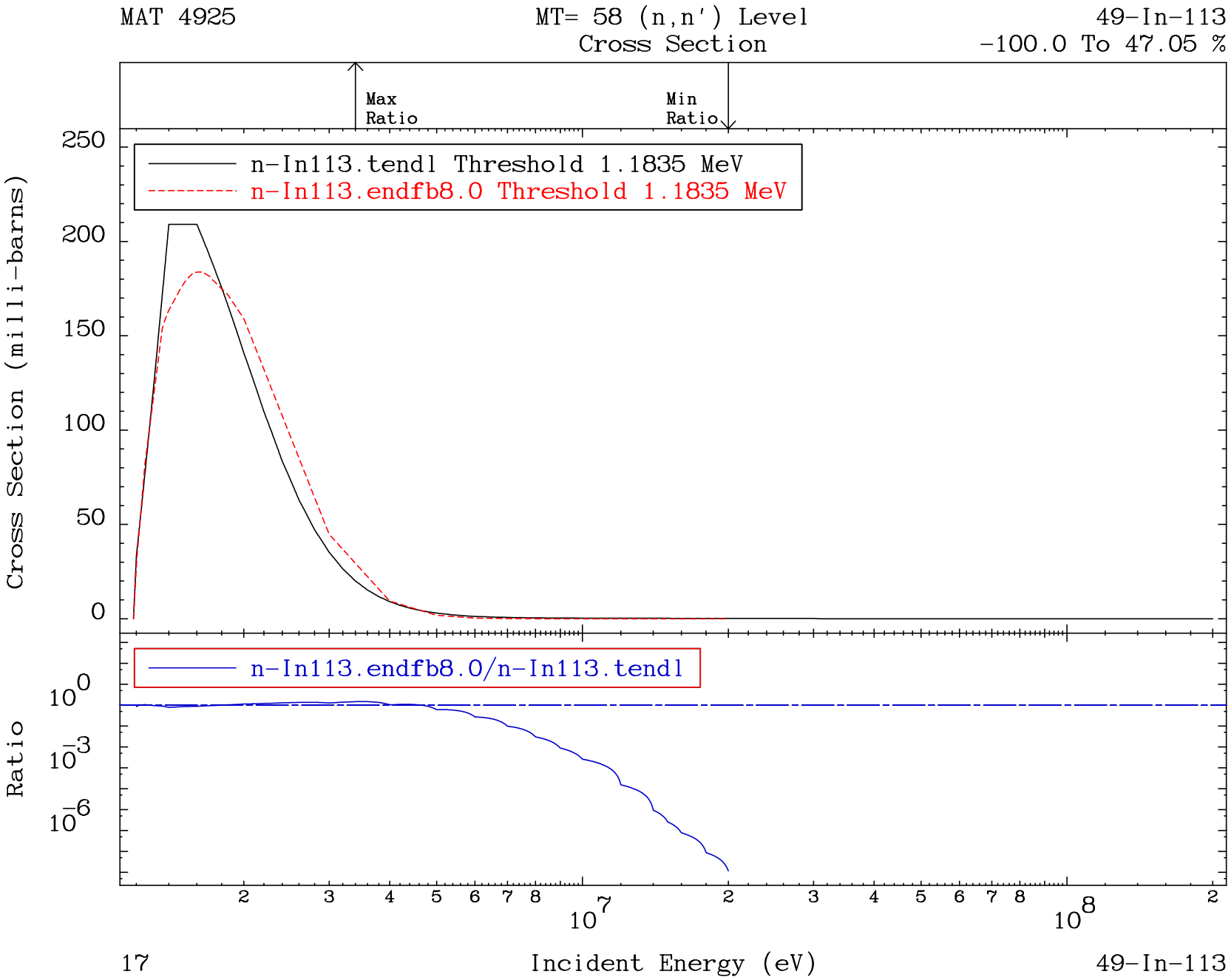

MAT 4925
MT= 53 (n,n') Level
Cross Section
49-In-113
-99.85 To 91.17 %
Max Ratio
Min Ratio
n-In113.tendl Threshold 1.0334 MeV
n-In113.endfb8.0 Threshold 1.0334 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-In113.endfb8.0/n-In113.tendl
Ratio
10^0
10^-1
10^-2
10^-3
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
12
Incident Energy (eV)
49-In-113

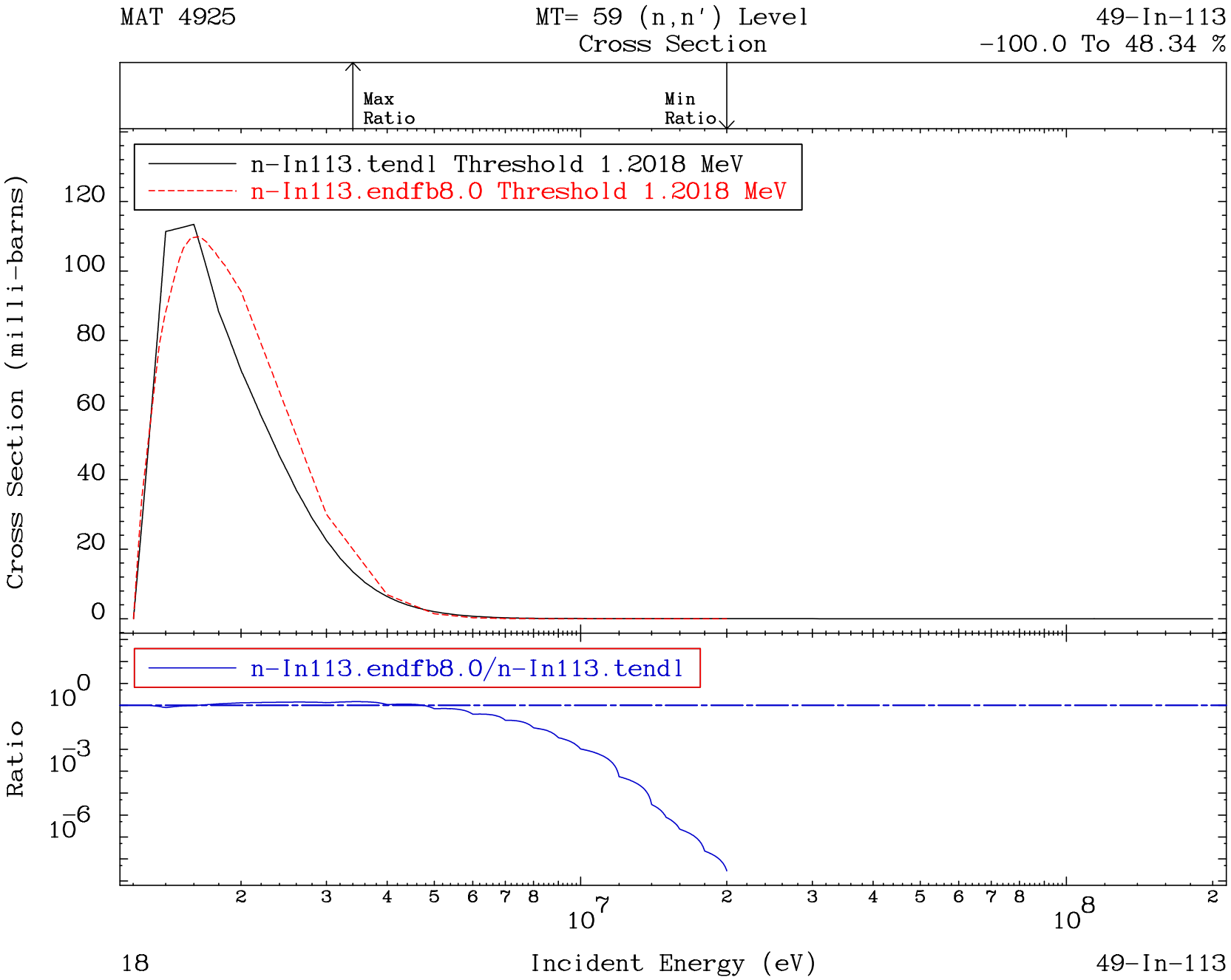

MAT 4925
MT= 54 (n,n') Level
Cross Section
49-In-113
-99.85 To 49.17 %
Max
Ratio
Min
Ratio
n-In113.tendl Threshold 1.0389 MeV
n-In113.endfb8.0 Threshold 1.0389 MeV
Cross Section (milli-barns)
0
2
4
6
8
n-In113.endfb8.0/n-In113.tendl
Ratio
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{6}
10^{7}
10^{8}
2 3 4 5 6 7 8
13
Incident Energy (eV)
49-In-113

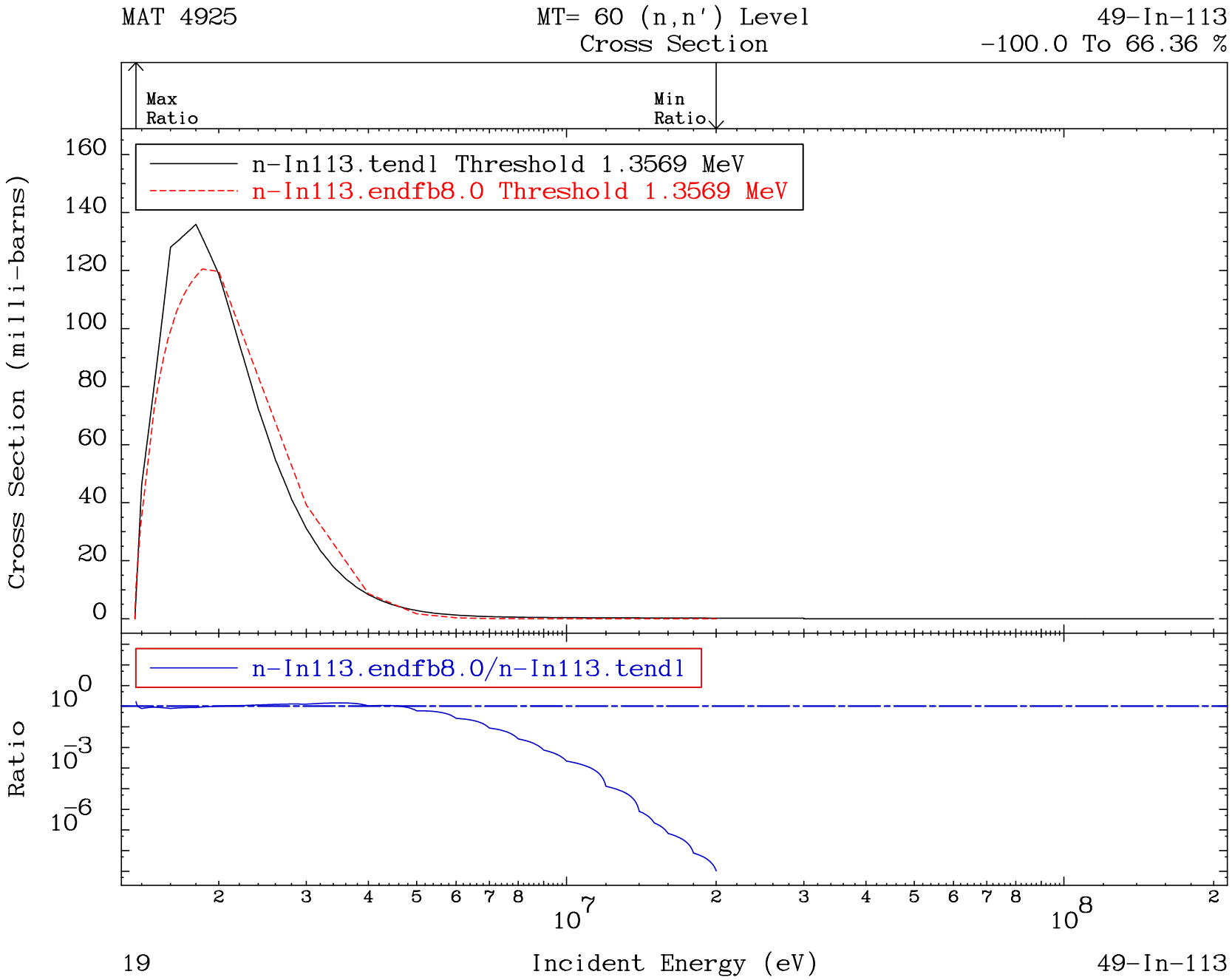

MAT 4925
MT= 55 (n,n') Level
Cross Section
49-In-113
-99.85 To 47.60 %
Max Ratio
Min Ratio
n-In113.tendl Threshold 1.0734 MeV
n-In113.endfb8.0 Threshold 1.0737 MeV
Cross Section (milli-barns)
0
5
10
15
20
25
n-In113.endfb8.0/n-In113.tendl
Ratio
10^{0}
10^{-1}
10^{-2}
10^{-3}
2 3 4 5 6 7 8 10^{7} 2 3 4 5 6 7 8 10^{8} 2
14
Incident Energy (eV)
49-In-113

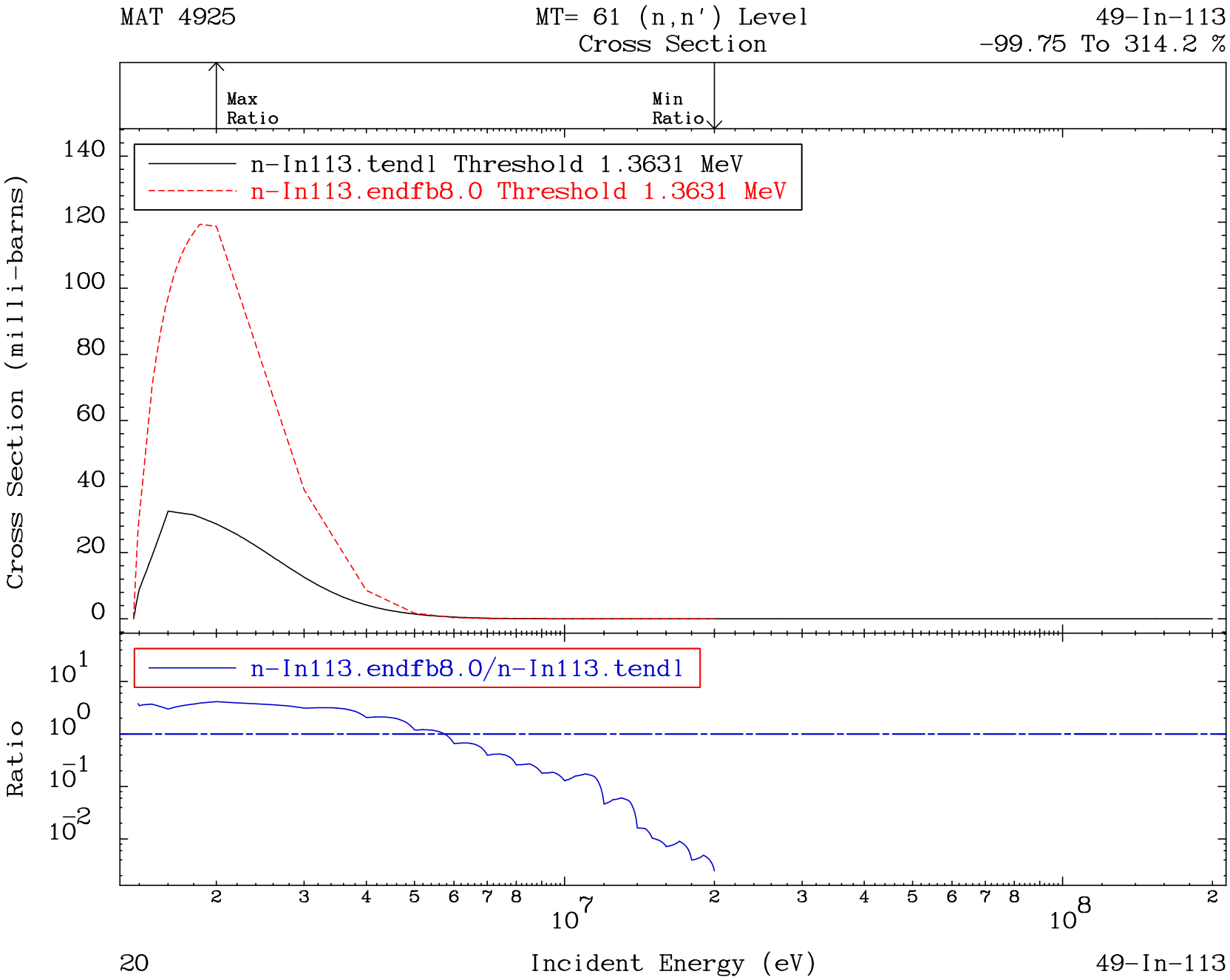

MAT 4925
MT= 56 (n,n') Level
Cross Section
49-In-113
-99.78 To 367.6 %
Max
Ratio
Min
Ratio
n-In113.tendl Threshold 1.1163 MeV
n-In113.endfb8.0 Threshold 1.1163 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-In113.endfb8.0/n-In113.tendl
Ratio
10^0
10^-2
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
15
Incident Energy (eV)
49-In-113

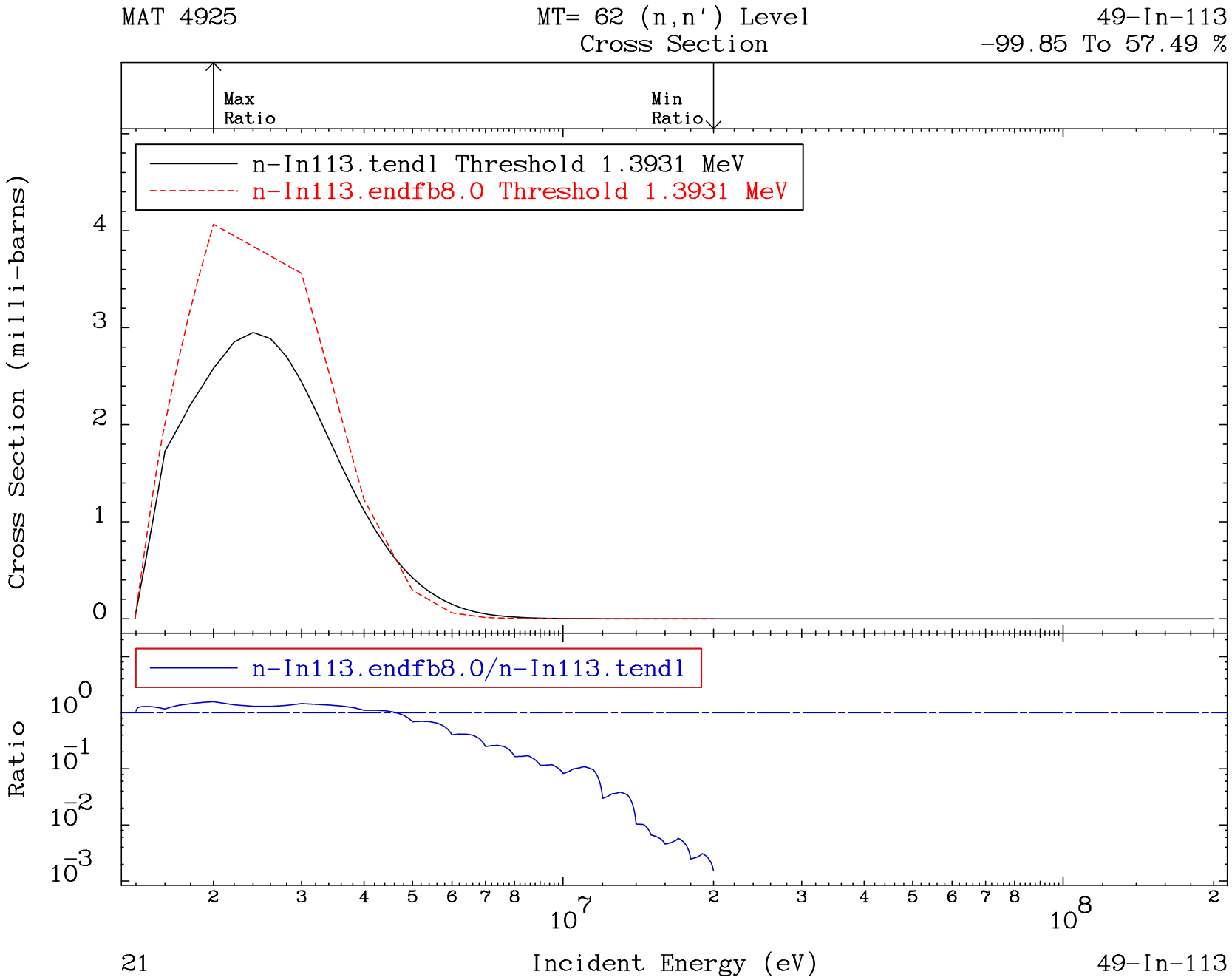

MAT 4925
MT= 57 (n,n') Level
Cross Section
49-In-113
-99.85 To 48.28 %
Max
Ratio
Min
Ratio
n-In113.tendl Threshold 1.1416 MeV
n-In113.endfb8.0 Threshold 1.1416 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-In113.endfb8.0/n-In113.tendl
Ratio
10^0
10^-1
10^-2
10^-3
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
16
Incident Energy (eV)
49-In-113

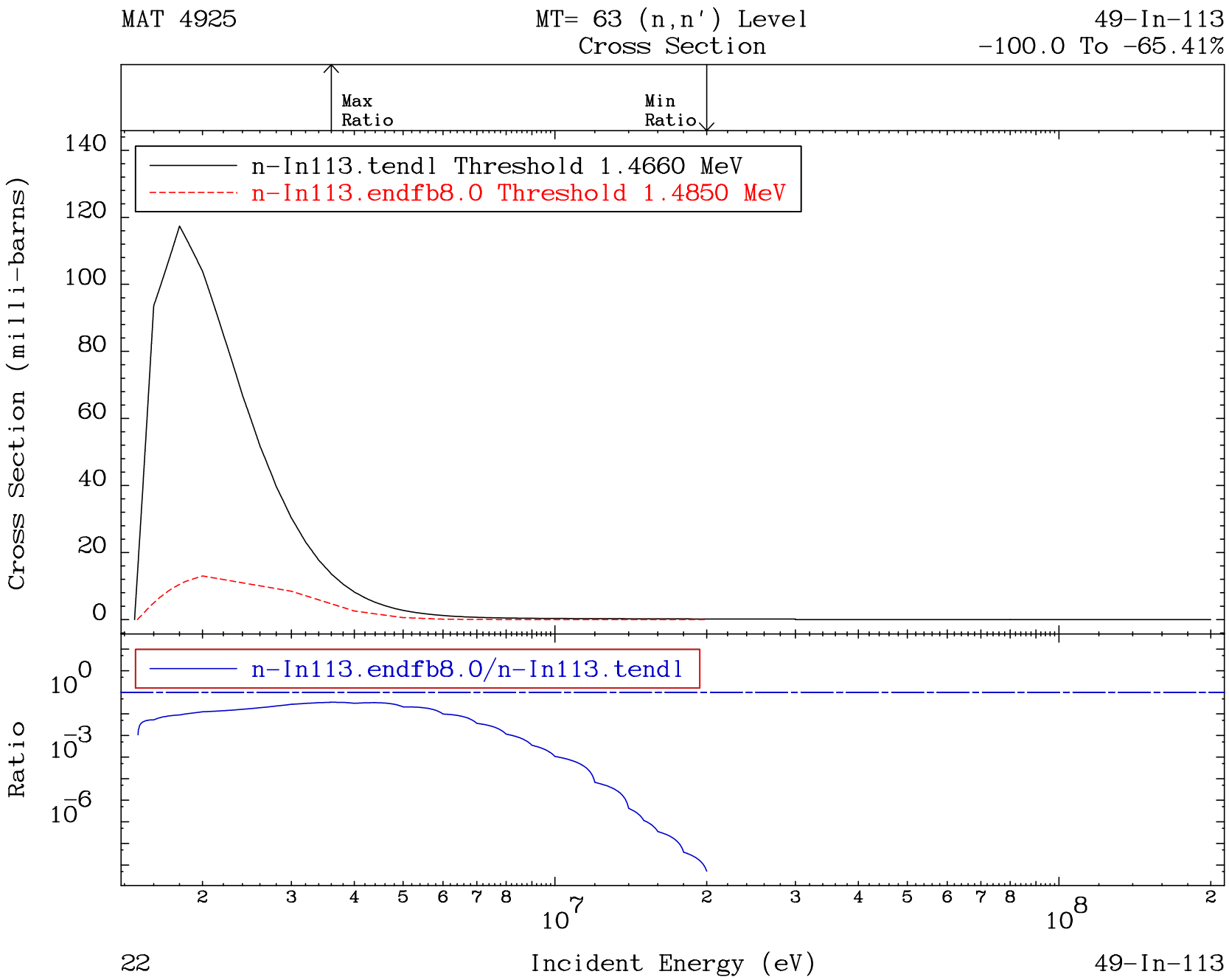

MAT 4925
MT= 58 (n,n') Level
Cross Section
49-In-113
-100.0 To 47.05 %
Max
Ratio
Min
Ratio
n-In113.tendl Threshold 1.1835 MeV
n-In113.endfb8.0 Threshold 1.1835 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
n-In113.endfb8.0/n-In113.tendl
Ratio
10^0
10^-3
10^-6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
17
Incident Energy (eV)
49-In-113

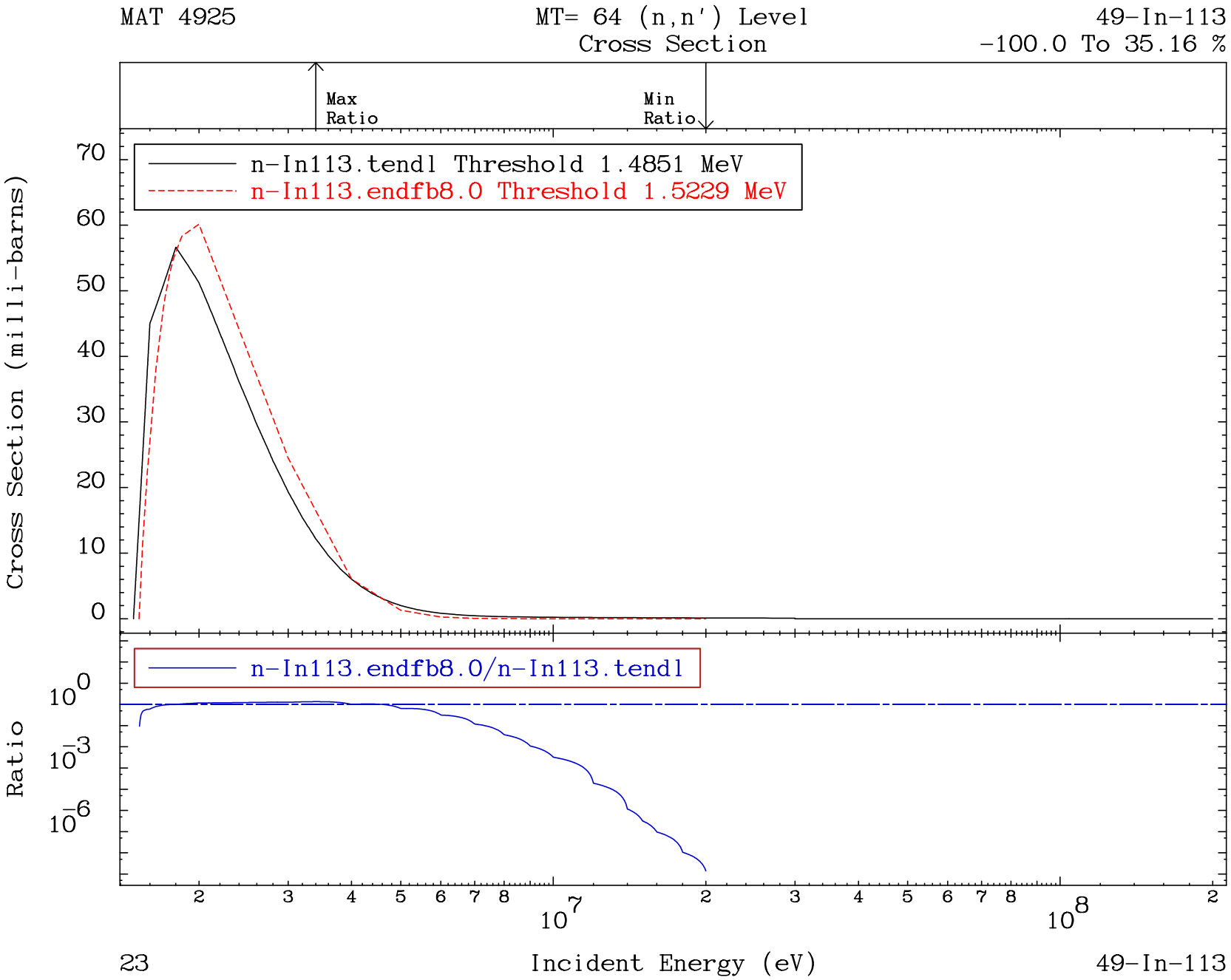

MAT 4925
MT= 59 (n,n') Level
Cross Section
49-In-113
-100.0 To 48.34 %
Max
Ratio
Min
Ratio
n-In113.tendl Threshold 1.2018 MeV
n-In113.endfb8.0 Threshold 1.2018 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-In113.endfb8.0/n-In113.tendl
Ratio
10^0
10^-3
10^-6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
18
Incident Energy (eV)
49-In-113

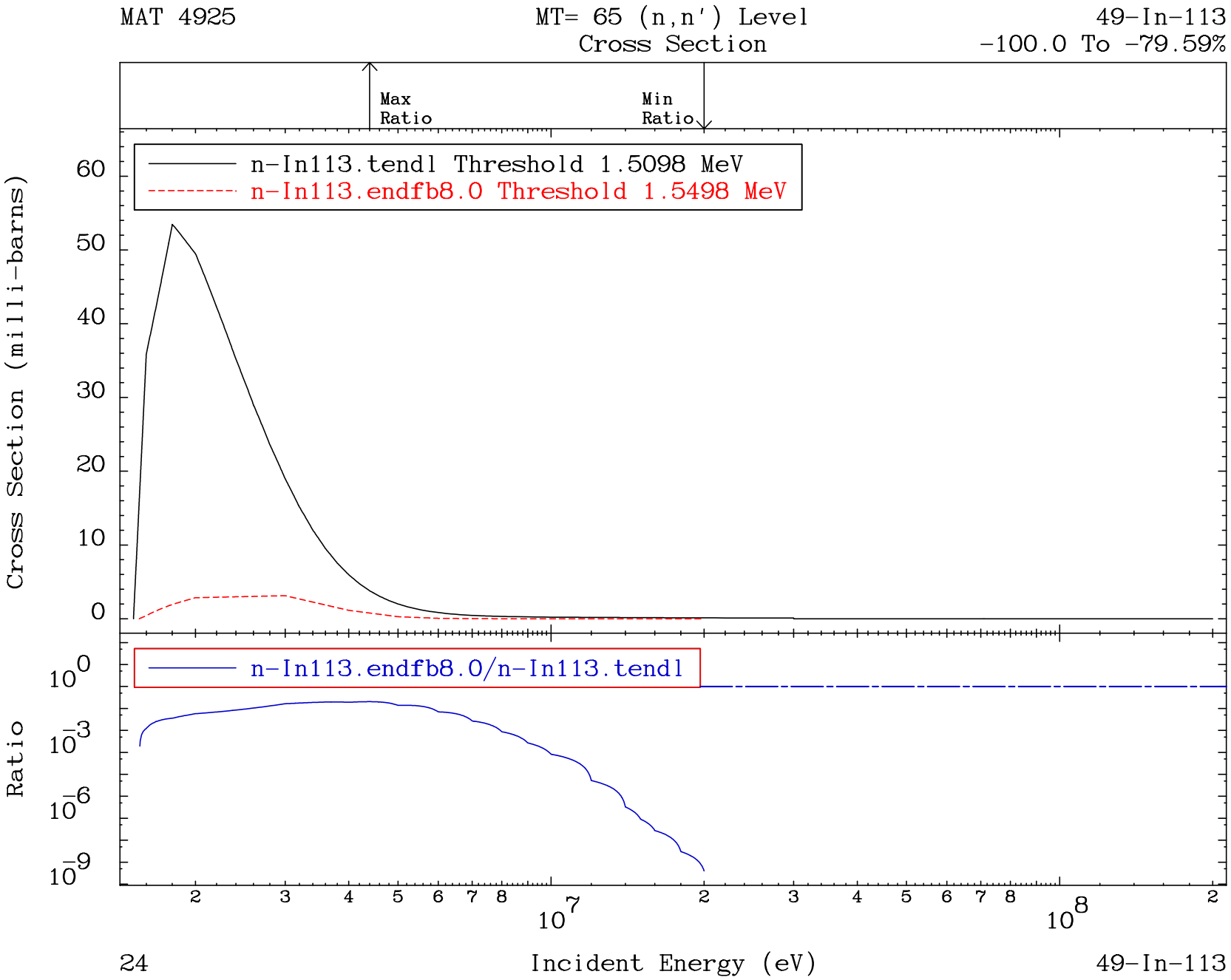

MAT 4925
MT= 60 (n,n') Level
Cross Section
49-In-113
-100.0 To 66.36 %
Max Ratio
Min Ratio
n-In113.tendl Threshold 1.3569 MeV
n-In113.endfb8.0 Threshold 1.3569 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
n-In113.endfb8.0/n-In113.tendl
Ratio
10^0
10^-3
10^-6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
19
Incident Energy (eV)
49-In-113

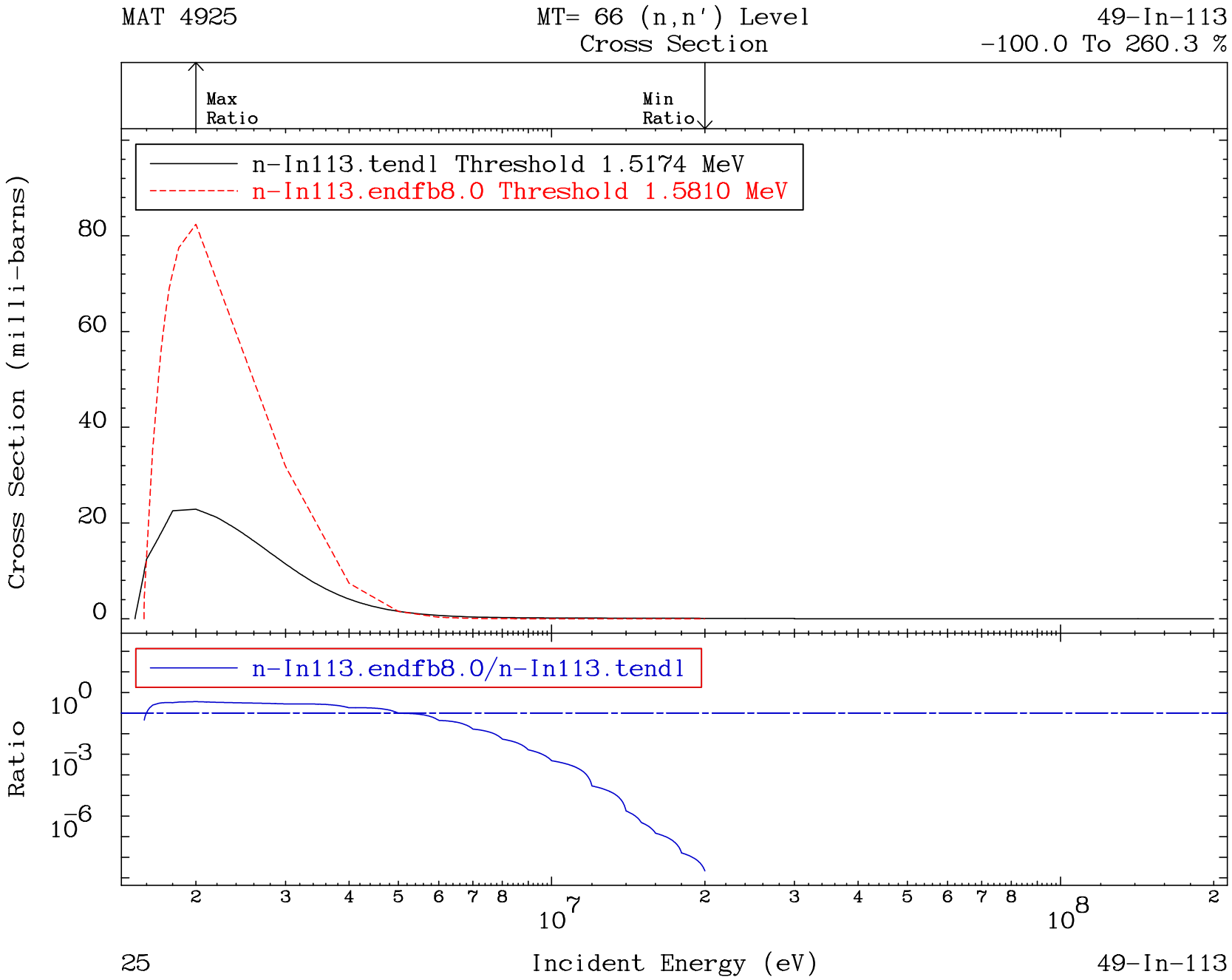

MAT 4925
MT= 61 (n,n') Level
Cross Section
49-In-113
-99.75 To 314.2 %
Max
Ratio
Min
Ratio
n-In113.tendl Threshold 1.3631 MeV
n-In113.endfb8.0 Threshold 1.3631 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-In113.endfb8.0/n-In113.tendl
Ratio
10^1
10^0
10^-1
10^-2
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
20
Incident Energy (eV)
49-In-113

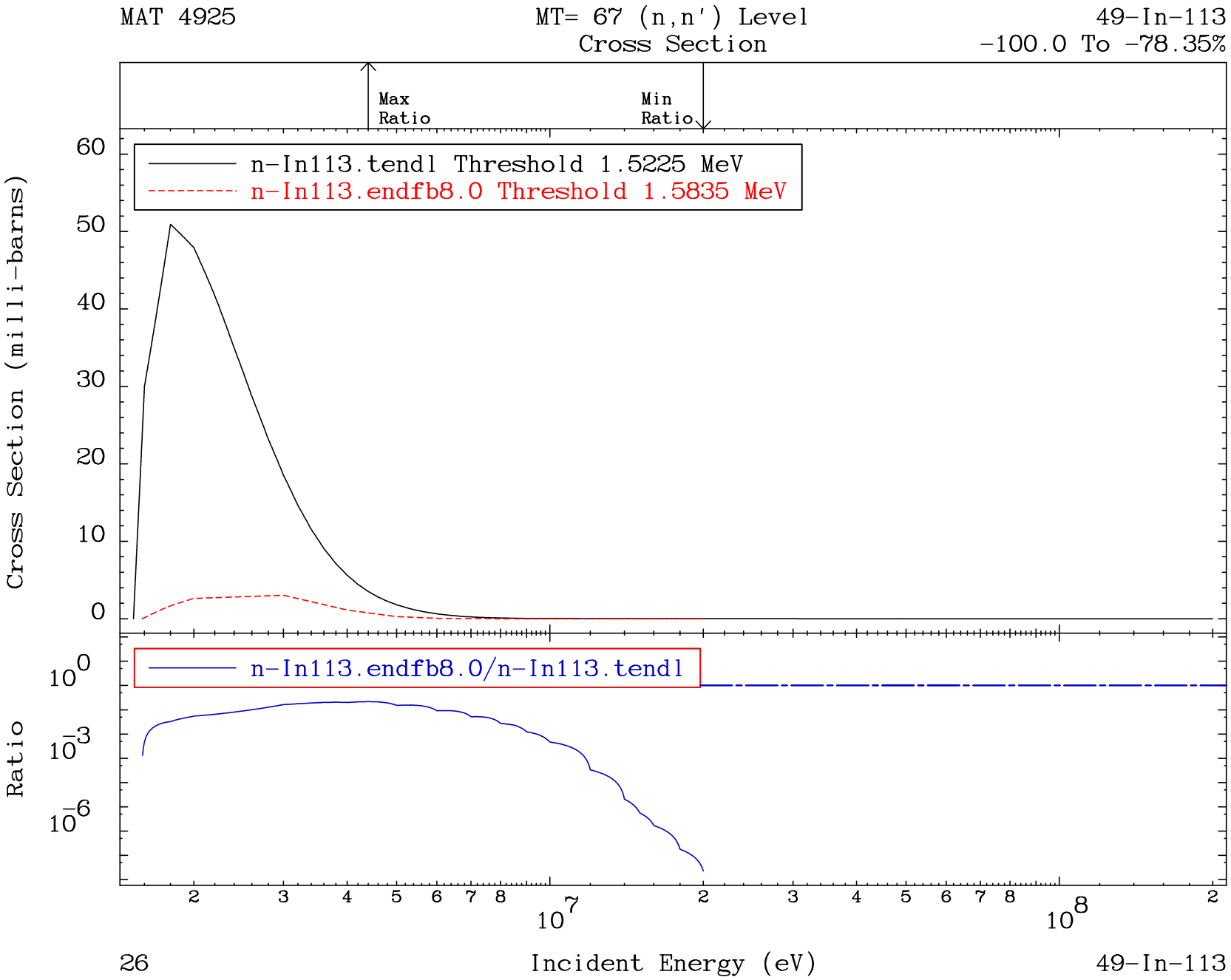

MAT 4925
MT= 62 (n,n') Level
Cross Section
49-In-113
-99.85 To 57.49 %
Max Ratio
Min Ratio
n-In113.tendl Threshold 1.3931 MeV
n-In113.endfb8.0 Threshold 1.3931 MeV
Cross Section (milli-barns)
n-In113.endfb8.0/n-In113.tendl
Ratio
Incident Energy (eV)
21
49-In-113

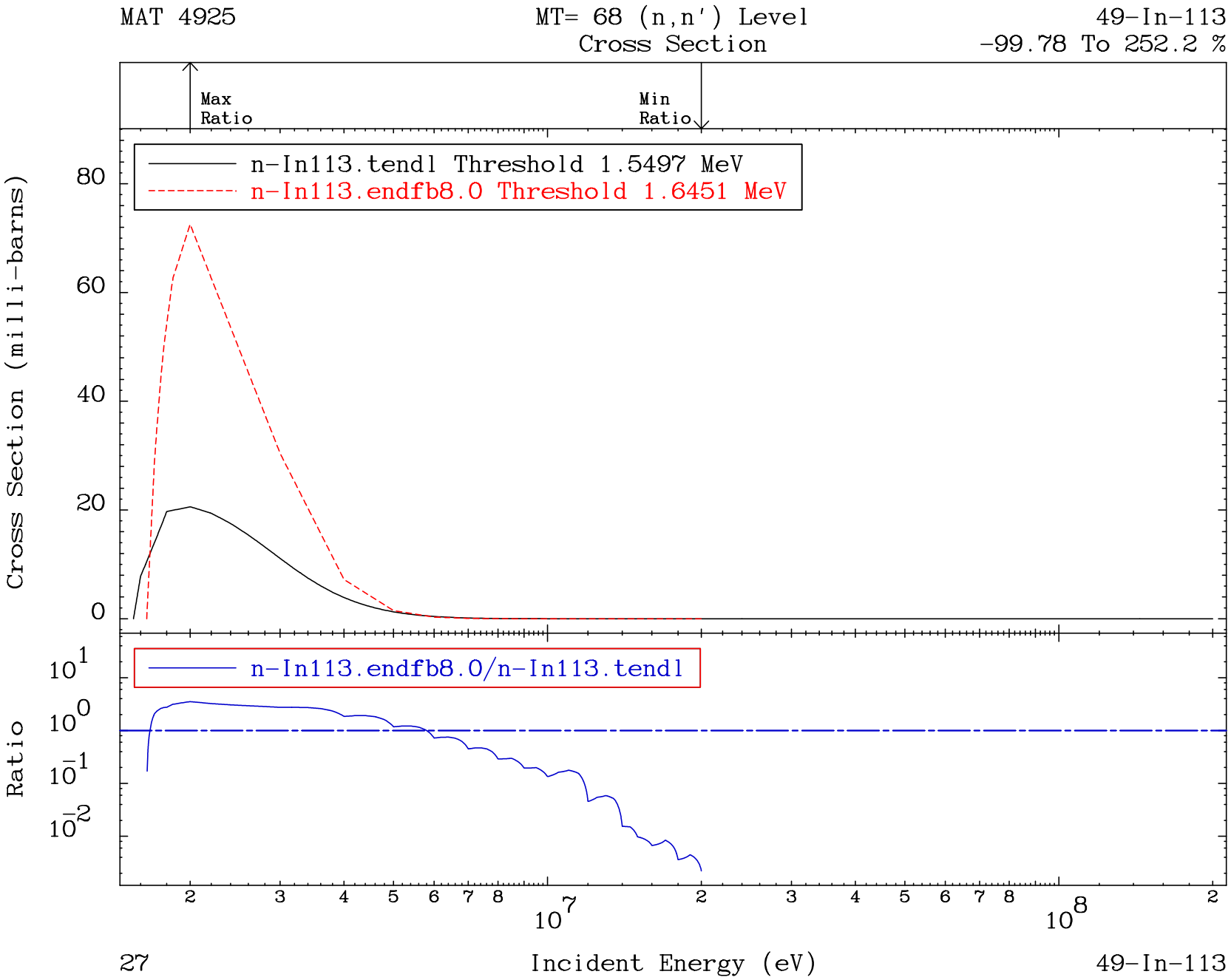

MAT 4925
MT= 63 (n,n') Level
Cross Section
49-In-113
-100.0 To -65.41%
Max
Ratio
Min
Ratio
n-In113.tendl Threshold 1.4660 MeV
n-In113.endfb8.0 Threshold 1.4850 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-In113.endfb8.0/n-In113.tendl
Ratio
10^0
10^-3
10^-6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
22
Incident Energy (eV)
49-In-113

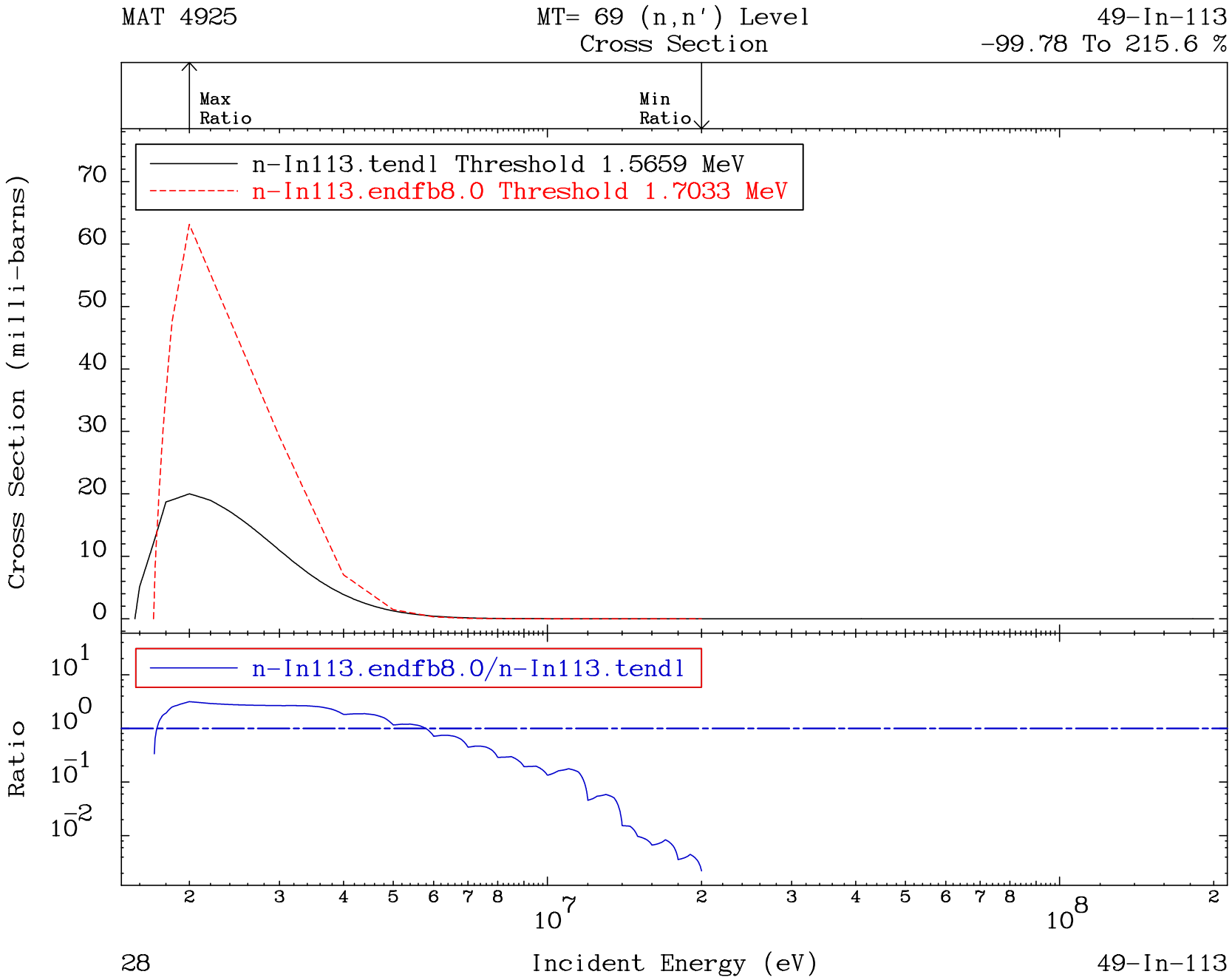

MAT 4925
MT= 64 (n,n') Level
Cross Section
49-In-113
-100.0 To 35.16 %
Max
Ratio
Min
Ratio
n-In113.tendl Threshold 1.4851 MeV
n-In113.endfb8.0 Threshold 1.5229 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-In113.endfb8.0/n-In113.tendl
Ratio
10^0
10^-3
10^-6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
23
Incident Energy (eV)
49-In-113

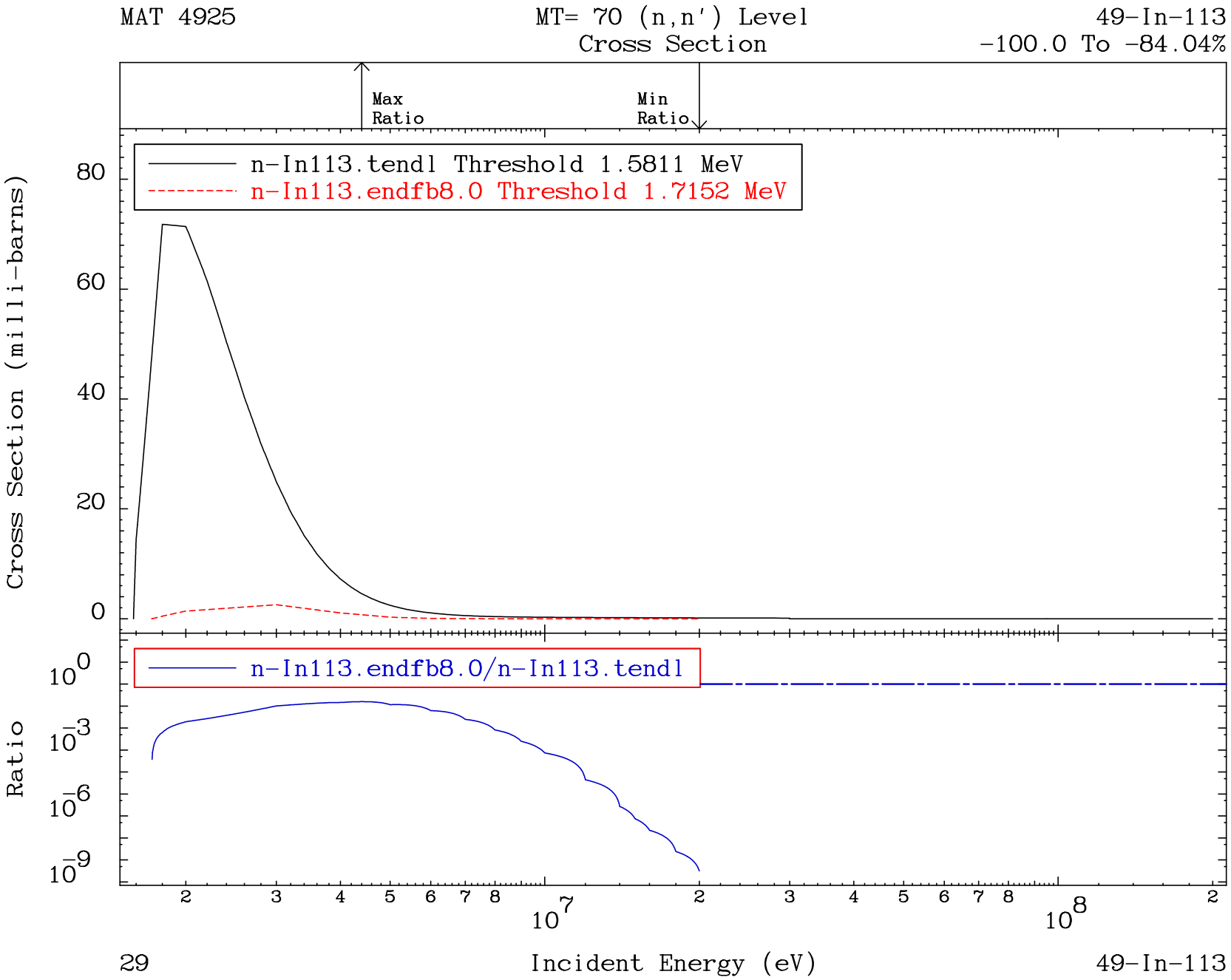

MAT 4925
MT= 65 (n,n') Level
Cross Section
49-In-113
-100.0 To -79.59%
Max
Ratio
Min
Ratio
n-In113.tendl Threshold 1.5098 MeV
n-In113.endfb8.0 Threshold 1.5498 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-In113.endfb8.0/n-In113.tendl
Ratio
10^0
10^-3
10^-6
10^-9
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
24
Incident Energy (eV)
49-In-113

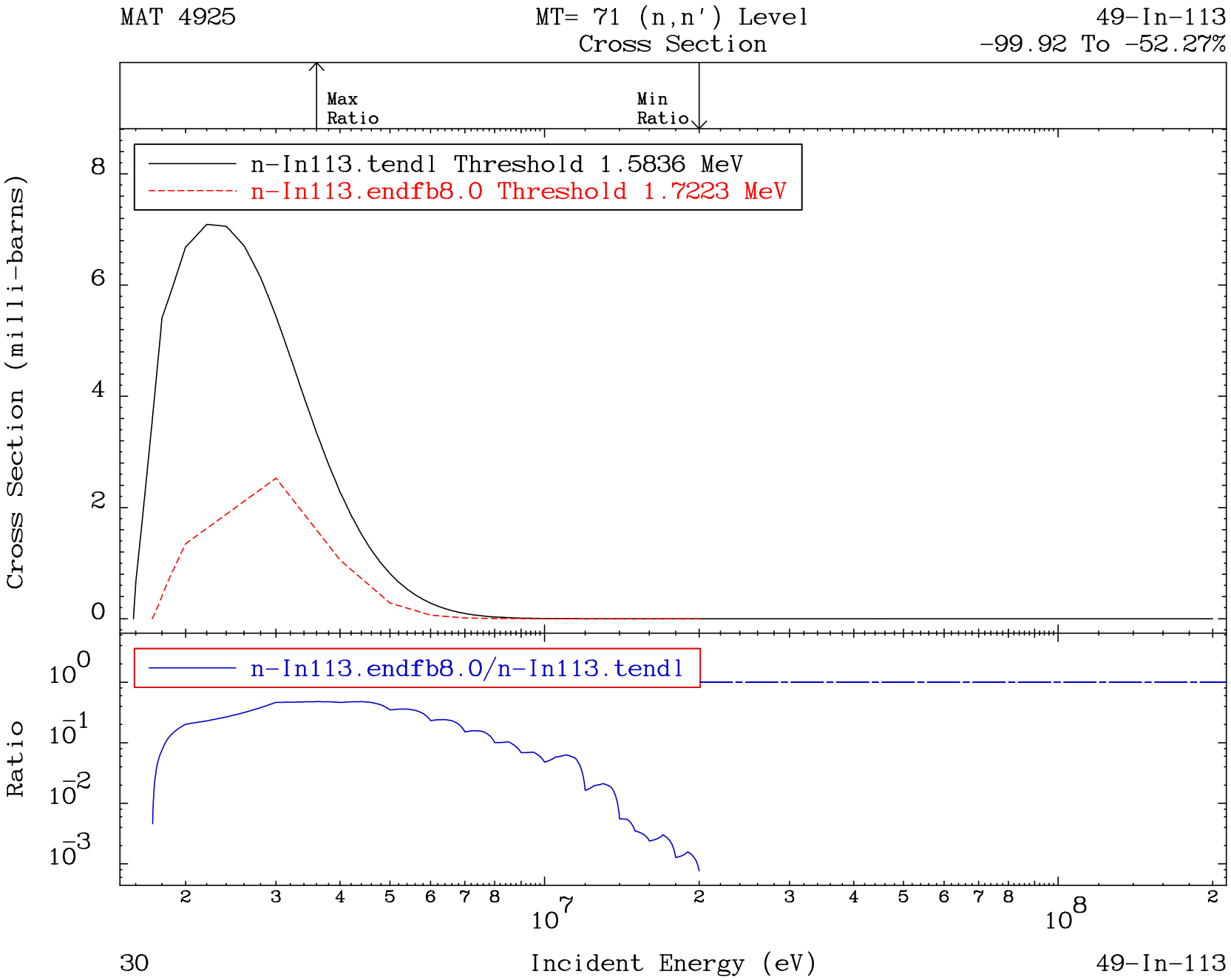

MAT 4925
MT= 66 (n,n') Level
Cross Section
49-In-113
-100.0 To 260.3 %
Max
Ratio
Min
Ratio
n-In113.tendl Threshold 1.5174 MeV
n-In113.endfb8.0 Threshold 1.5810 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-In113.endfb8.0/n-In113.tendl
Ratio
10^0
10^-3
10^-6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
25
Incident Energy (eV)
49-In-113

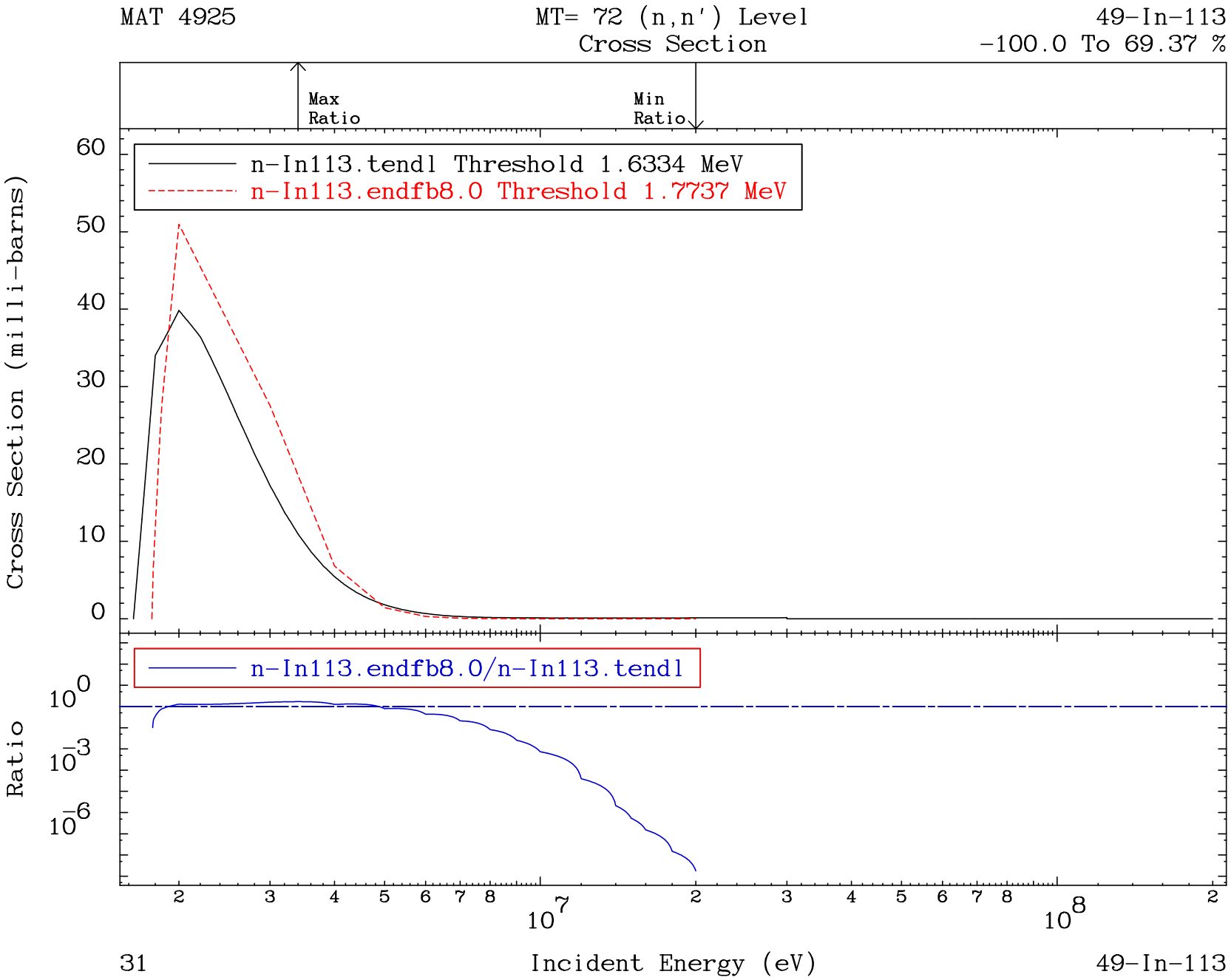

MAT 4925
MT= 67 (n,n') Level
Cross Section
49-In-113
-100.0 To -78.35%
Max
Ratio
Min
Ratio
n-In113.tendl Threshold 1.5225 MeV
n-In113.endfb8.0 Threshold 1.5835 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-In113.endfb8.0/n-In113.tendl
Ratio
10^0
10^-3
10^-6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
26
Incident Energy (eV)
49-In-113

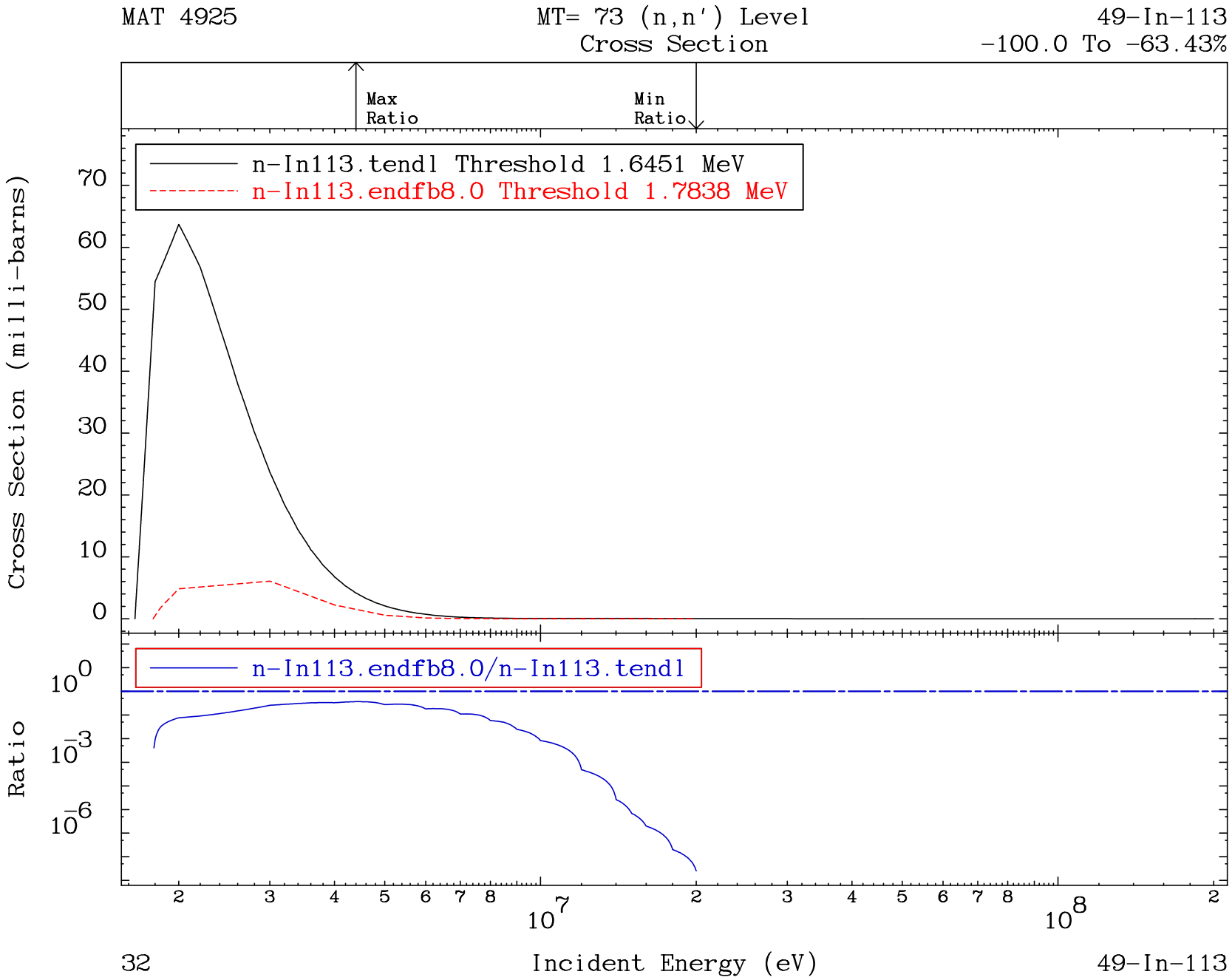

MAT 4925
MT= 68 (n,n') Level
Cross Section
49-In-113
-99.78 To 252.2 %
Max
Ratio
Min
Ratio
n-In113.tendl Threshold 1.5497 MeV
n-In113.endfb8.0 Threshold 1.6451 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-In113.endfb8.0/n-In113.tendl
Ratio
10^1
10^0
10^-1
10^-2
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
27
Incident Energy (eV)
49-In-113

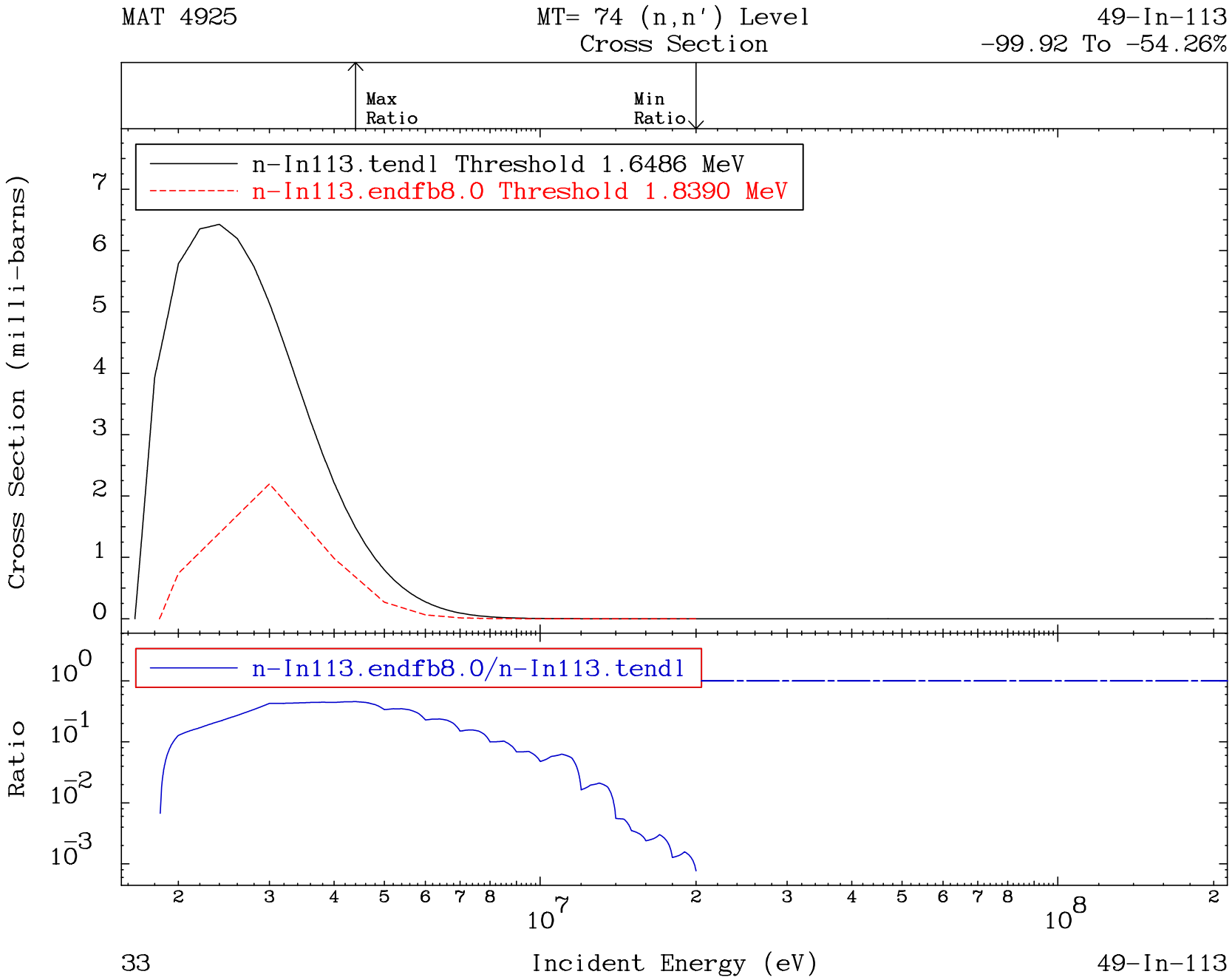

MAT 4925
MT= 69 (n,n') Level
Cross Section
49-In-113
-99.78 To 215.6 %
Max Ratio
Min Ratio
n-In113.tendl Threshold 1.5659 MeV
n-In113.endfb8.0 Threshold 1.7033 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-In113.endfb8.0/n-In113.tendl
Ratio
10^1
10^0
10^-1
10^-2
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
28
Incident Energy (eV)
49-In-113

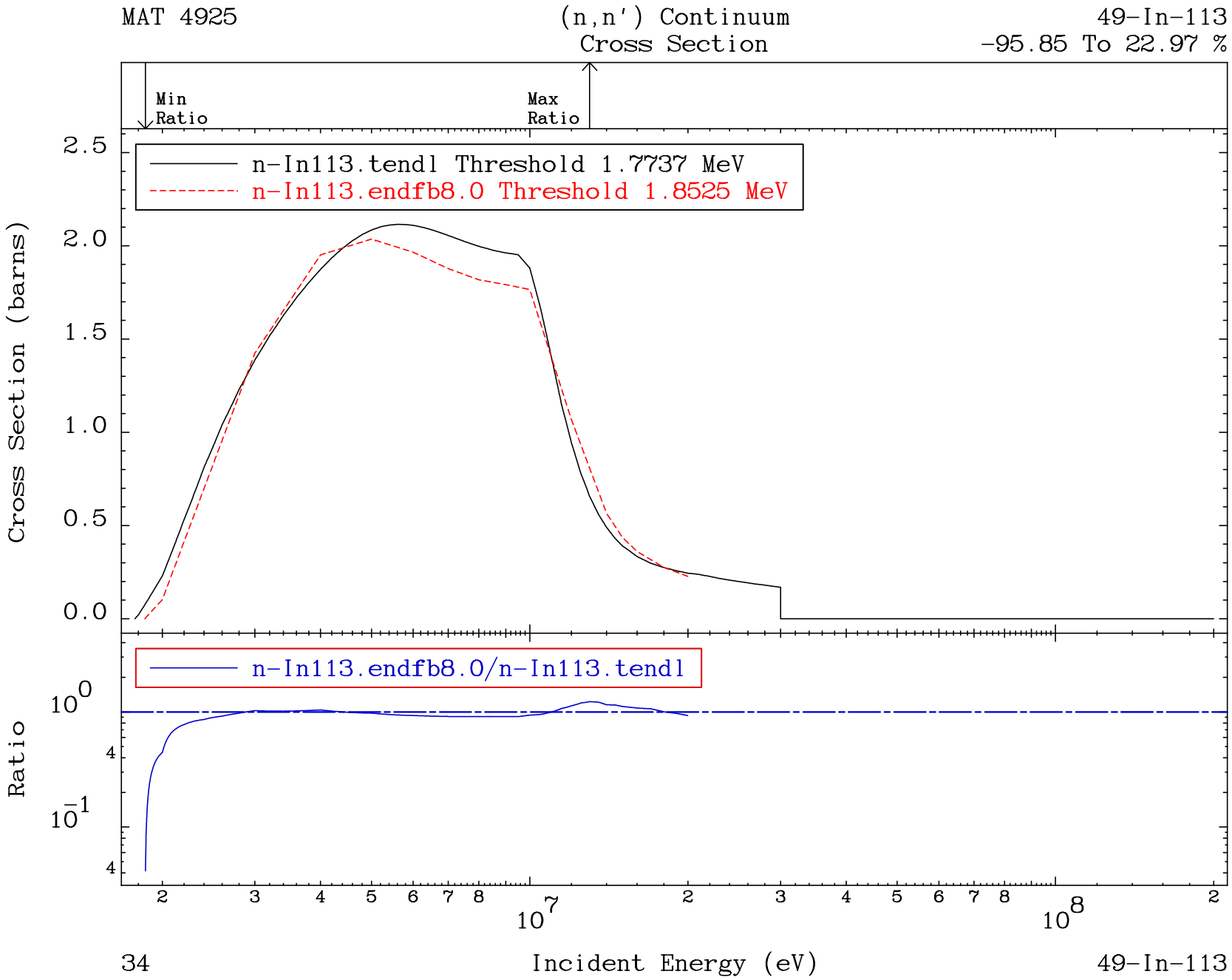

MAT 4925
MT= 70 (n,n') Level
Cross Section
49-In-113
-100.0 To -84.04%
Max
Ratio
Min
Ratio
n-In113.tendl Threshold 1.5811 MeV
n-In113.endfb8.0 Threshold 1.7152 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-In113.endfb8.0/n-In113.tendl
Ratio
10^0
10^-3
10^-6
10^-9
2
3
4
5
6
7
8
10^7
10^8
29
Incident Energy (eV)
49-In-113

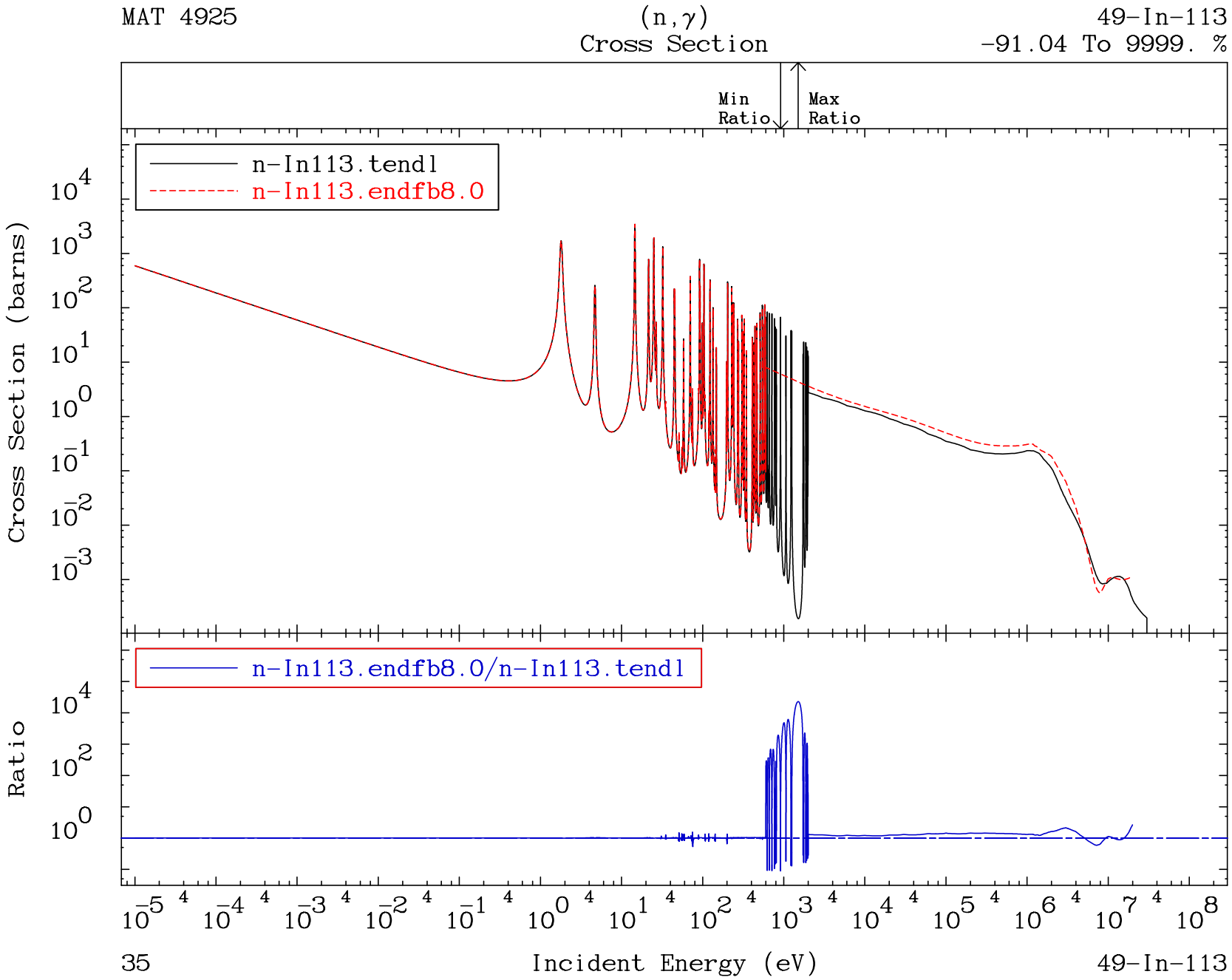

MAT 4925
MT= 71 (n,n') Level
Cross Section
49-In-113
-99.92 To -52.27%
Max
Ratio
Min
Ratio
n-In113.tendl Threshold 1.5836 MeV
n-In113.endfb8.0 Threshold 1.7223 MeV
Cross Section (milli-barns)
0
2
4
6
8
n-In113.endfb8.0/n-In113.tendl
Ratio
10^0
10^-1
10^-2
10^-3
2
3
4
5
6
7
8
10^7
10^8
30
Incident Energy (eV)
49-In-113

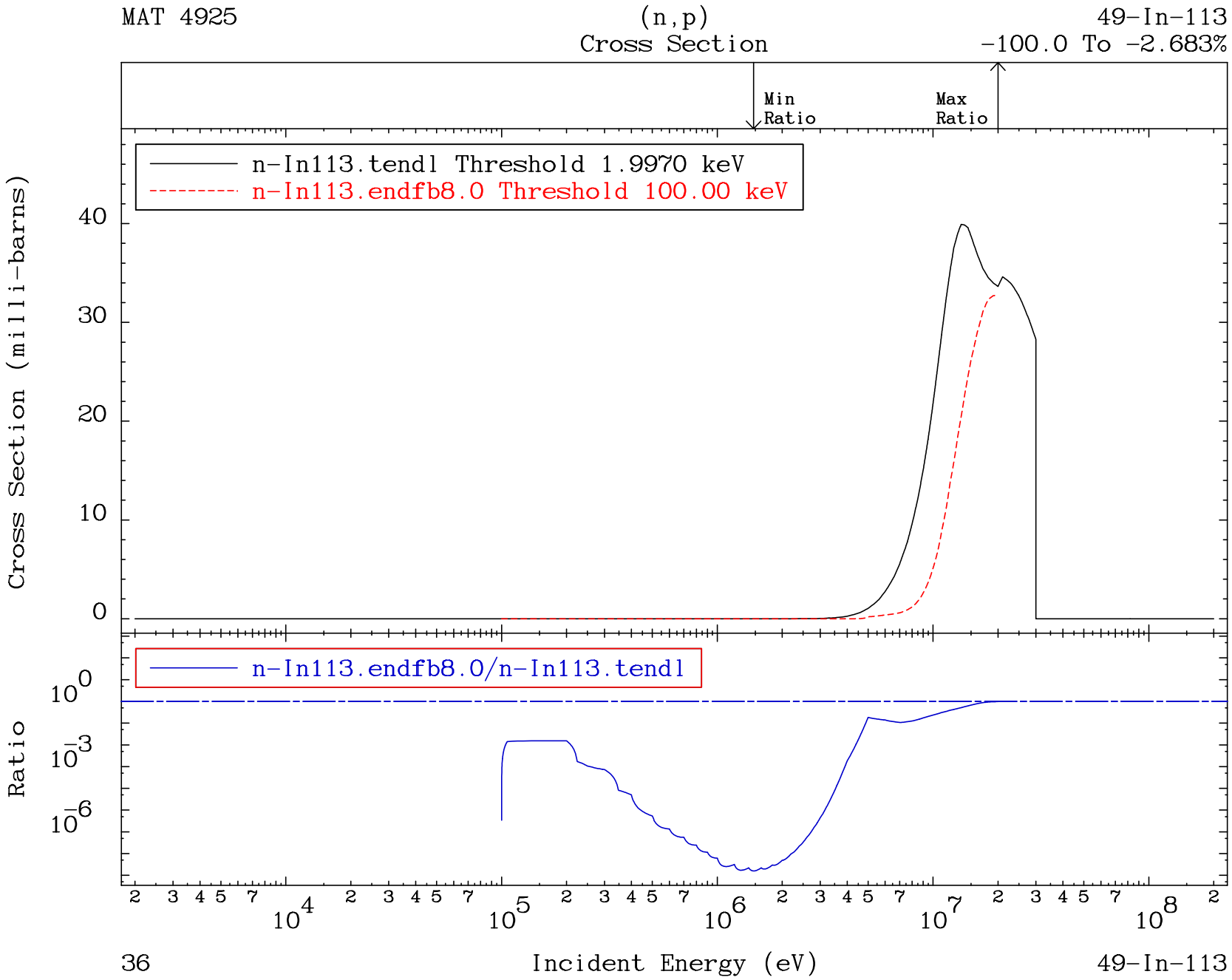

MAT 4925
MT= 72 (n,n') Level
Cross Section
49-In-113
-100.0 To 69.37 %
Max
Ratio
Min
Ratio
n-In113.tendl Threshold 1.6334 MeV
n-In113.endfb8.0 Threshold 1.7737 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-In113.endfb8.0/n-In113.tendl
Ratio
10^0
10^-3
10^-6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
31
Incident Energy (eV)
49-In-113

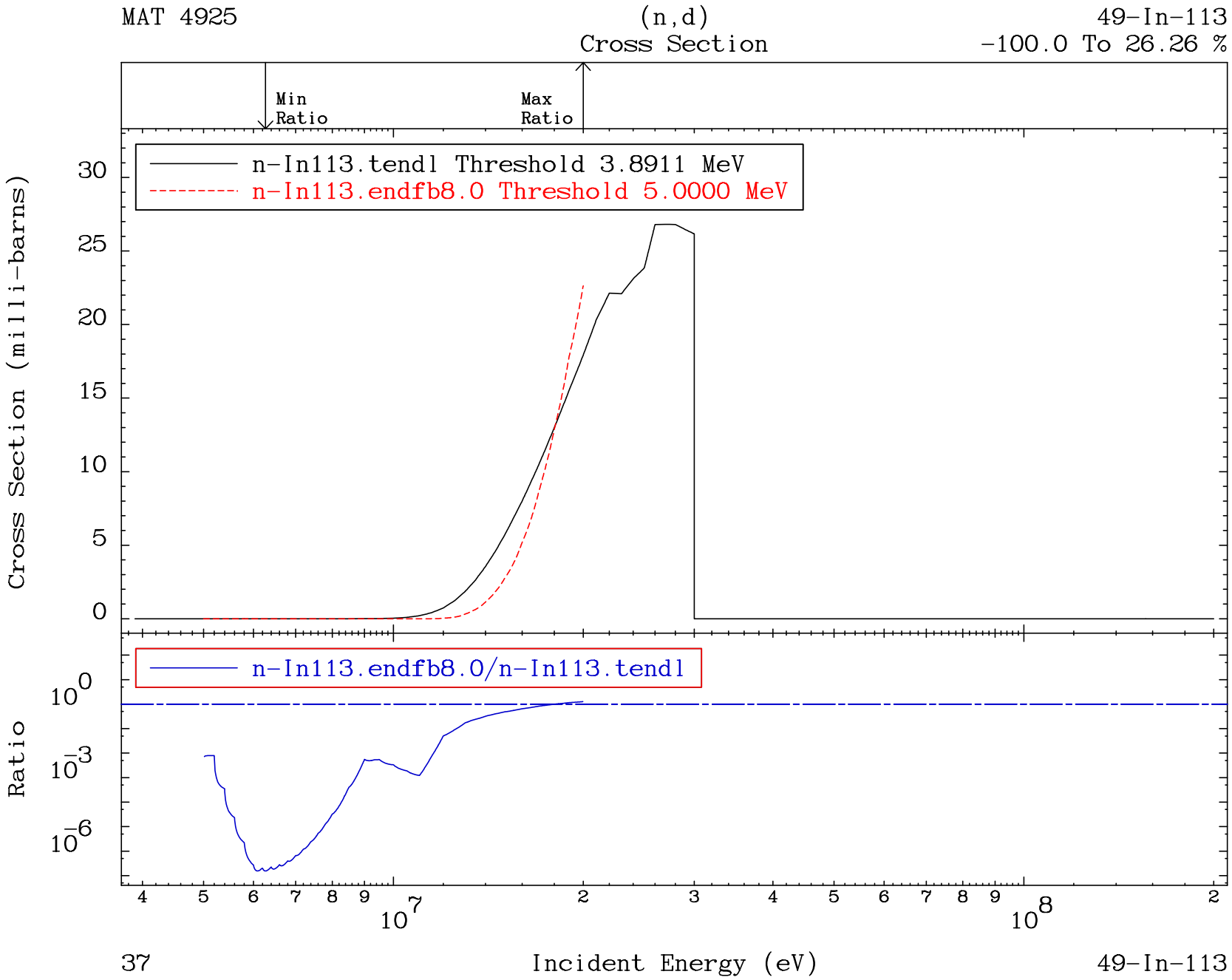

MAT 4925
MT= 73 (n,n') Level
Cross Section
49-In-113
-100.0 To -63.43%
Max
Ratio
Min
Ratio
n-In113.tendl Threshold 1.6451 MeV
n-In113.endfb8.0 Threshold 1.7838 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-In113.endfb8.0/n-In113.tendl
Ratio
10^0
10^-3
10^-6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
32
Incident Energy (eV)
49-In-113

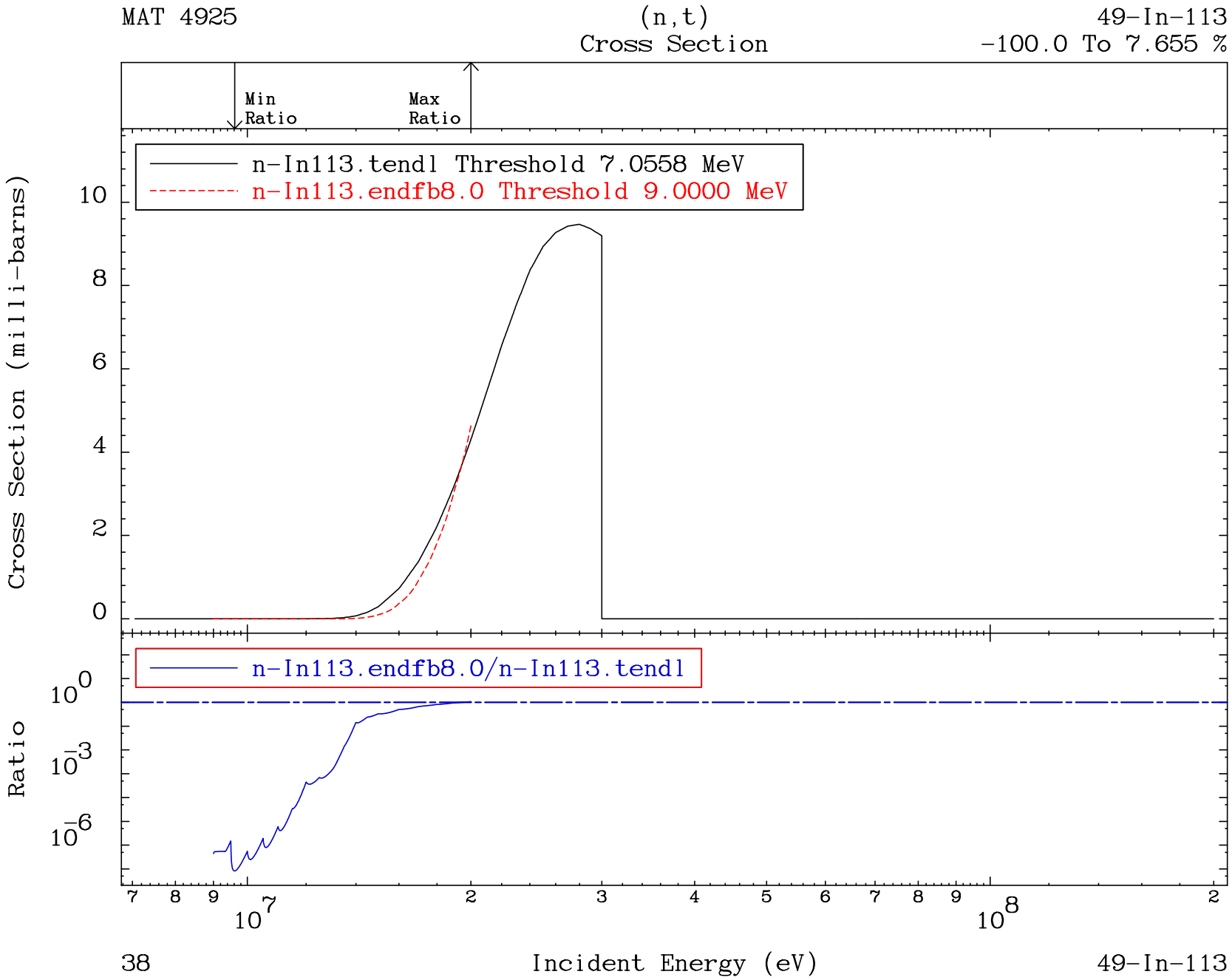

MAT 4925
MT= 74 (n,n') Level
Cross Section
49-In-113
-99.92 To -54.26%
Max
Ratio
Min
Ratio
n-In113.tendl Threshold 1.6486 MeV
n-In113.endfb8.0 Threshold 1.8390 MeV
Cross Section (milli-barns)
n-In113.endfb8.0/n-In113.tendl
Ratio
Incident Energy (eV)
33
49-In-113

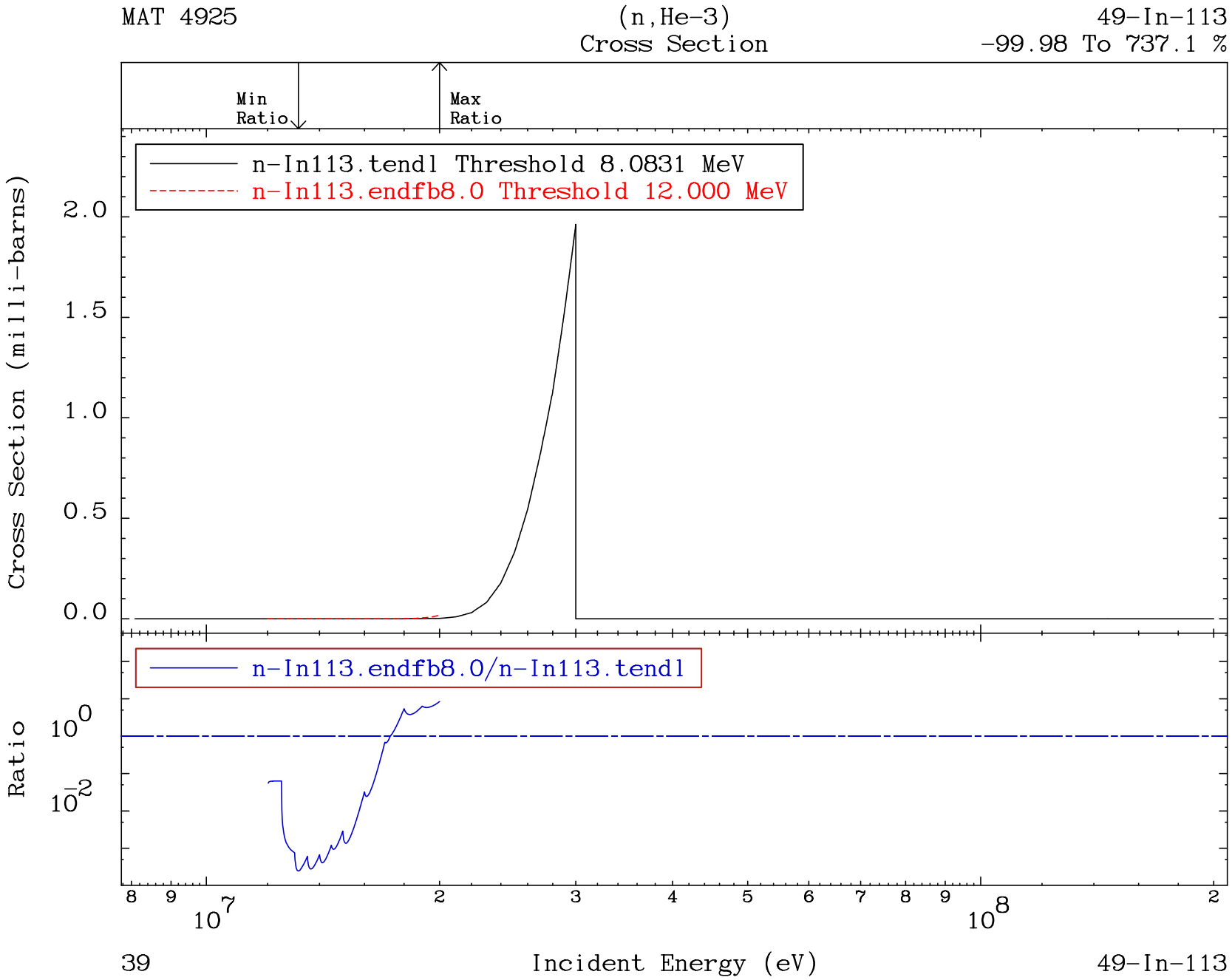

MAT 4925
(n,n') Continuum
Cross Section
49-In-113
-95.85 To 22.97 %
Min
Ratio
Max
Ratio
n-In113.tendl Threshold 1.7737 MeV
n-In113.endfb8.0 Threshold 1.8525 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-In113.endfb8.0/n-In113.tendl
Ratio
10^0
10^-1
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
34
Incident Energy (eV)
49-In-113

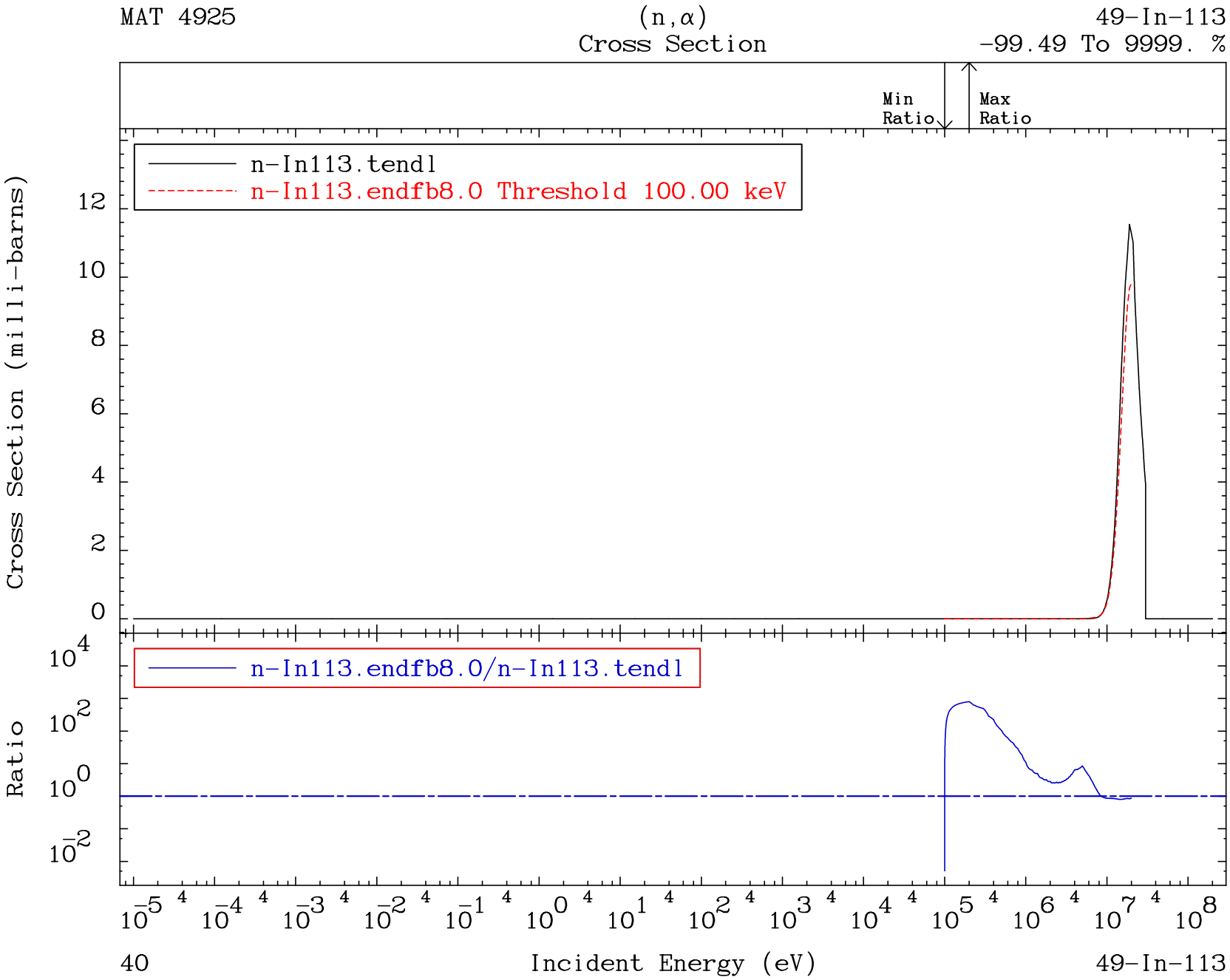

MAT 4925
(n,γ)
Cross Section
49-In-113
-91.04 To 9999. %
Min Ratio
Max Ratio
n-In113.tendl
n-In113.endfb8.0
Cross Section (barns)
n-In113.endfb8.0/n-In113.tendl
Ratio
Incident Energy (eV)
35
49-In-113

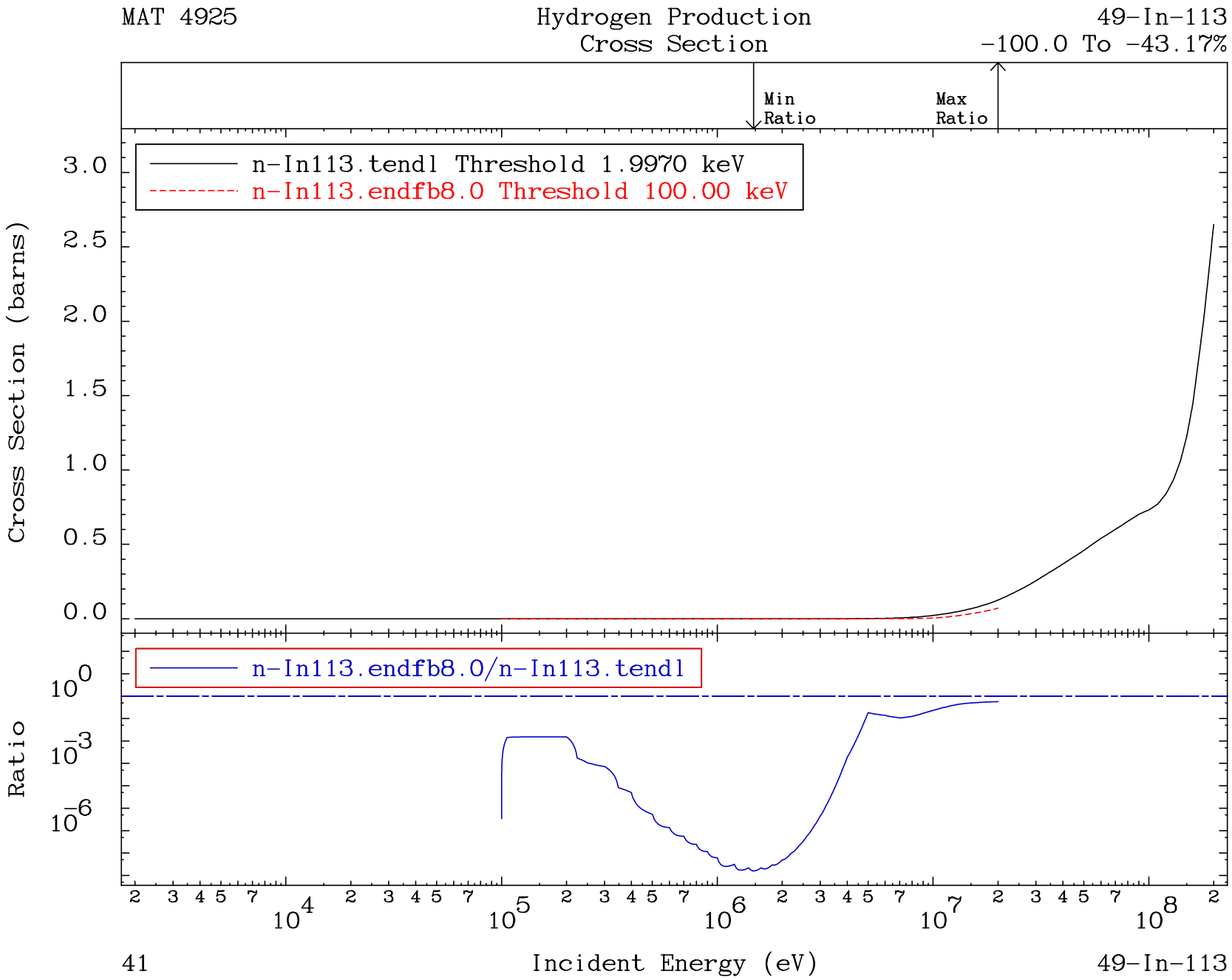

MAT 4925
(n,p)
Cross Section
49-In-113
-100.0 To -2.683%
Min
Ratio
Max
Ratio
n-In113.tendl Threshold 1.9970 keV
n-In113.endfb8.0 Threshold 100.00 keV
Cross Section (milli-barns)
40
30
20
10
0
n-In113.endfb8.0/n-In113.tendl
Ratio
10^0
10^-3
10^-6
2 3 4 5 7 10^4 2 3 4 5 7 10^5 2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
36
Incident Energy (eV)
49-In-113

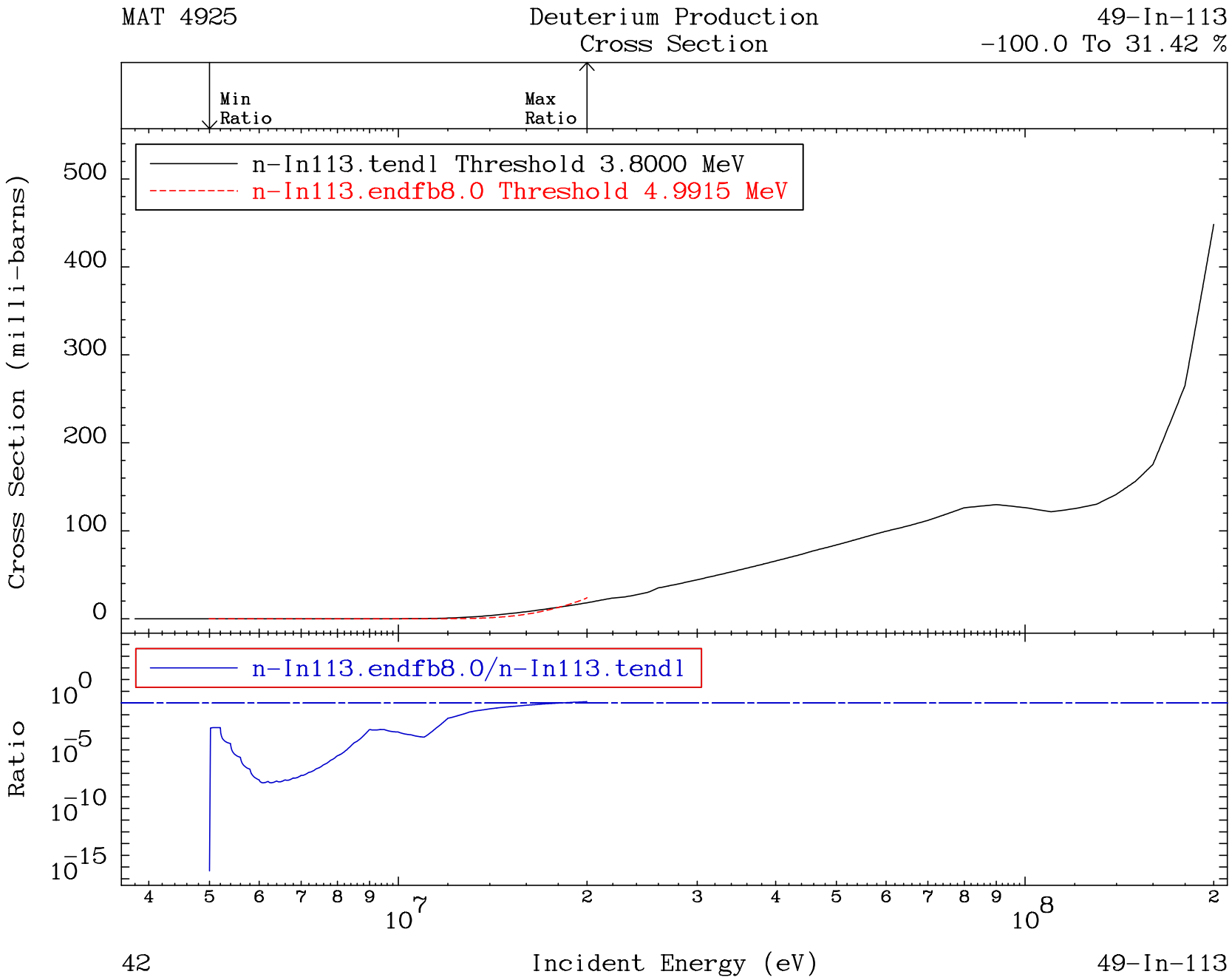

MAT 4925
(n,d)
Cross Section
49-In-113
-100.0 To 26.26 %
Min Ratio
Max Ratio
n-In113.tendl Threshold 3.8911 MeV
n-In113.endfb8.0 Threshold 5.0000 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-In113.endfb8.0/n-In113.tendl
Ratio
10^0
10^-3
10^-6
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
37
Incident Energy (eV)
49-In-113

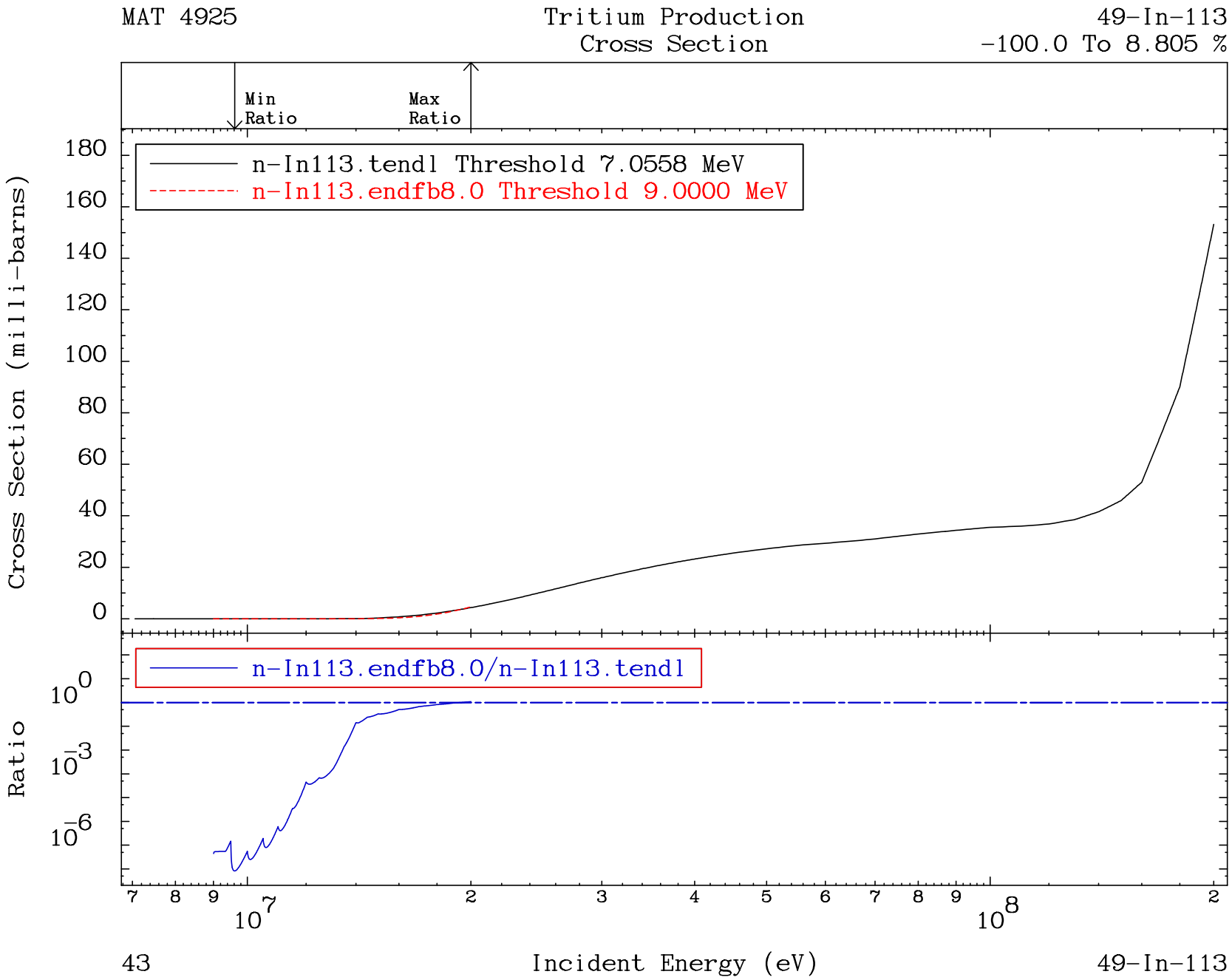

MAT 4925
(n,t)
Cross Section
49-In-113
-100.0 To 7.655 %
Min Ratio
Max Ratio
n-In113.tendl Threshold 7.0558 MeV
n-In113.endfb8.0 Threshold 9.0000 MeV
Cross Section (milli-barns)
10
8
6
4
2
0
n-In113.endfb8.0/n-In113.tendl
Ratio
10^0
10^-3
10^-6
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
38
Incident Energy (eV)
49-In-113

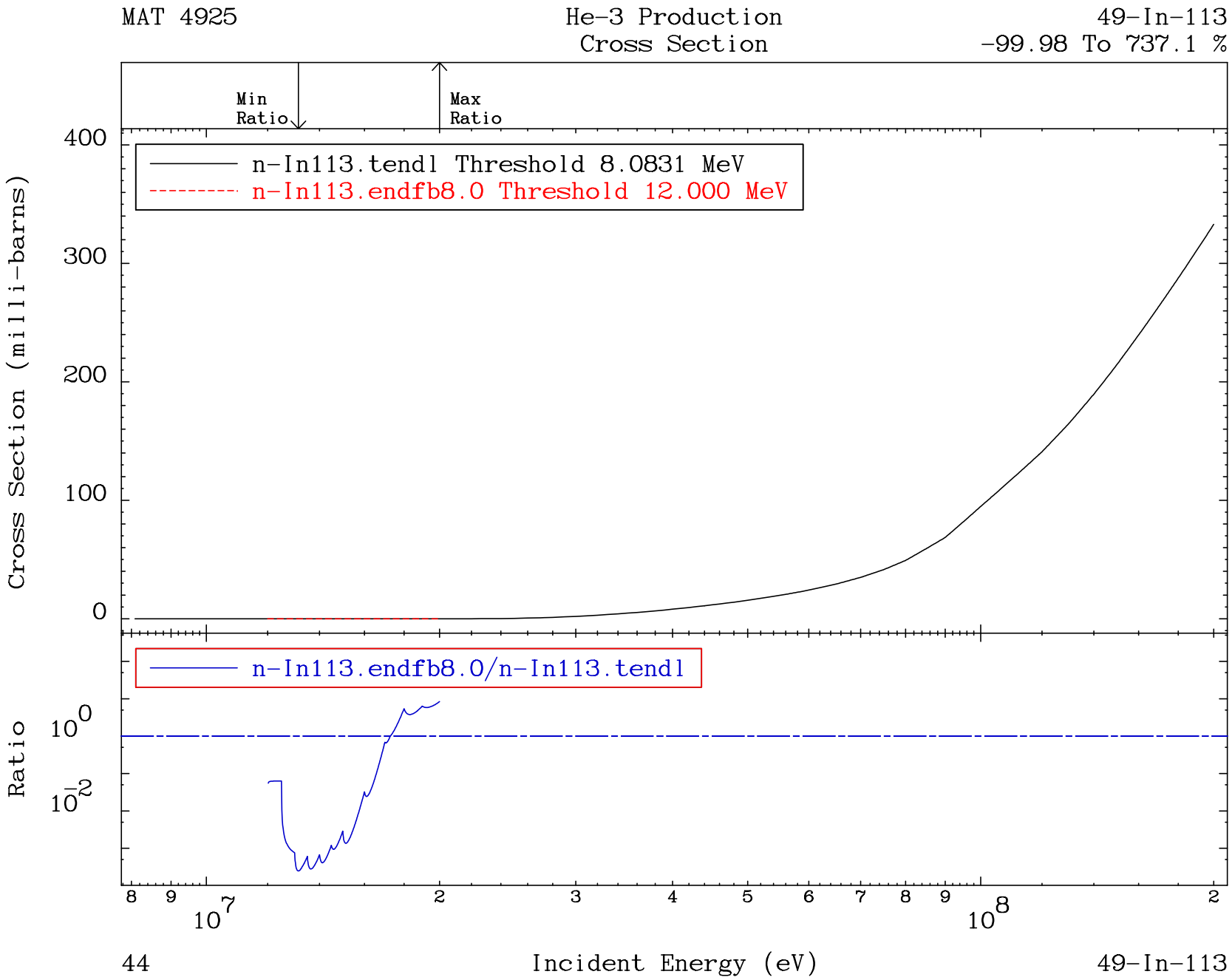

MAT 4925
(n,He-3)
Cross Section
49-In-113
-99.98 To 737.1 %
Min Ratio
Max Ratio
n-In113.tendl Threshold 8.0831 MeV
n-In113.endfb8.0 Threshold 12.000 MeV
Cross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
n-In113.endfb8.0/n-In113.tendl
Ratio
10^0
10^-2
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
39
Incident Energy (eV)
49-In-113

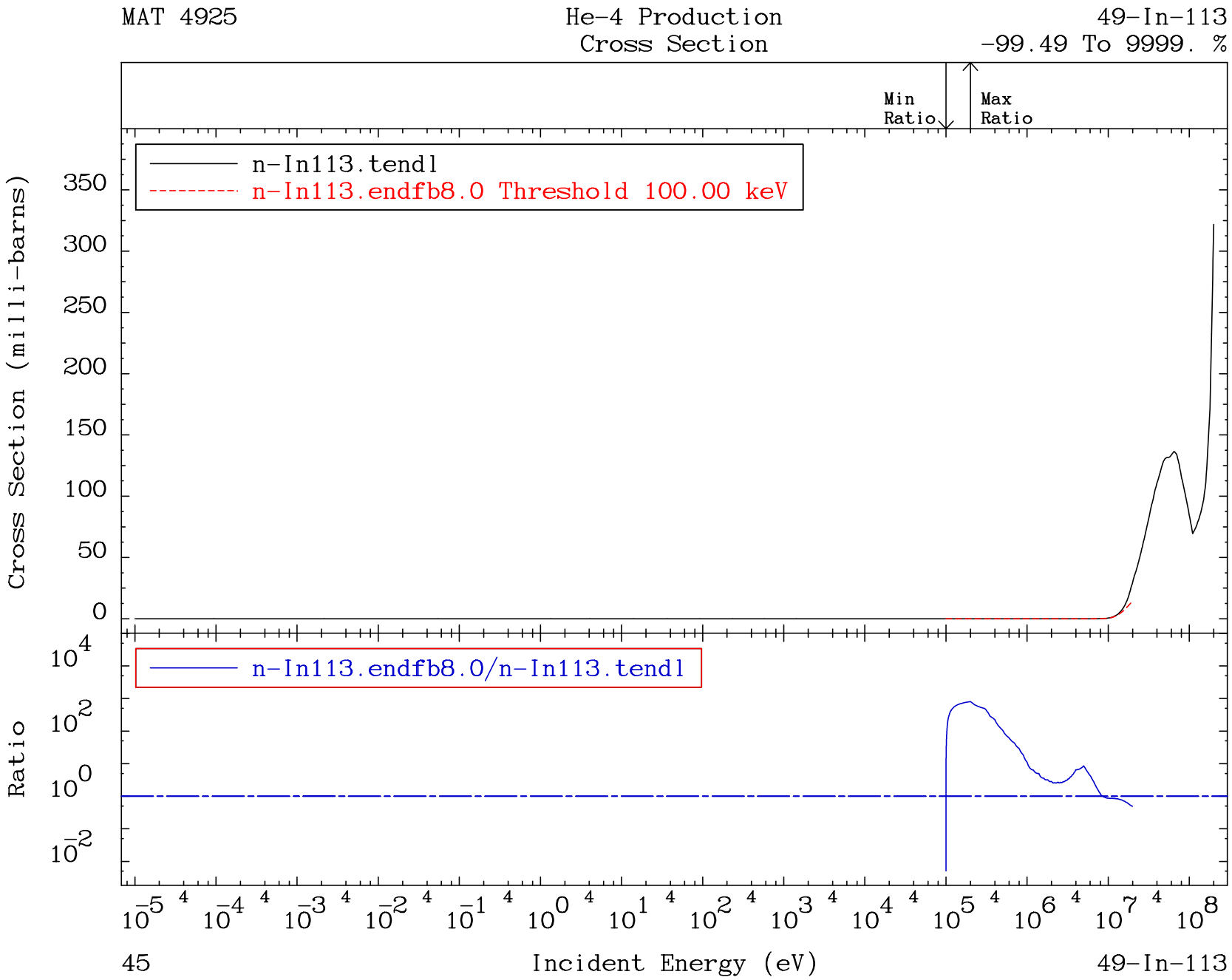

MAT 4925
(n,α)
Cross Section
49-In-113
-99.49 To 9999. %
Min Ratio
Max Ratio
n-In113.tendl
n-In113.endfb8.0 Threshold 100.00 keV
Cross Section (milli-barns)
0
2
4
6
8
10
12
n-In113.endfb8.0/n-In113.tendl
Ratio
10^4
10^2
10^0
10^-2
10^-5
10^-4
10^-3
10^-2
10^-1
10^0
10^1
10^2
10^3
10^4
10^5
10^6
10^7
10^8
40
Incident Energy (eV)
49-In-113

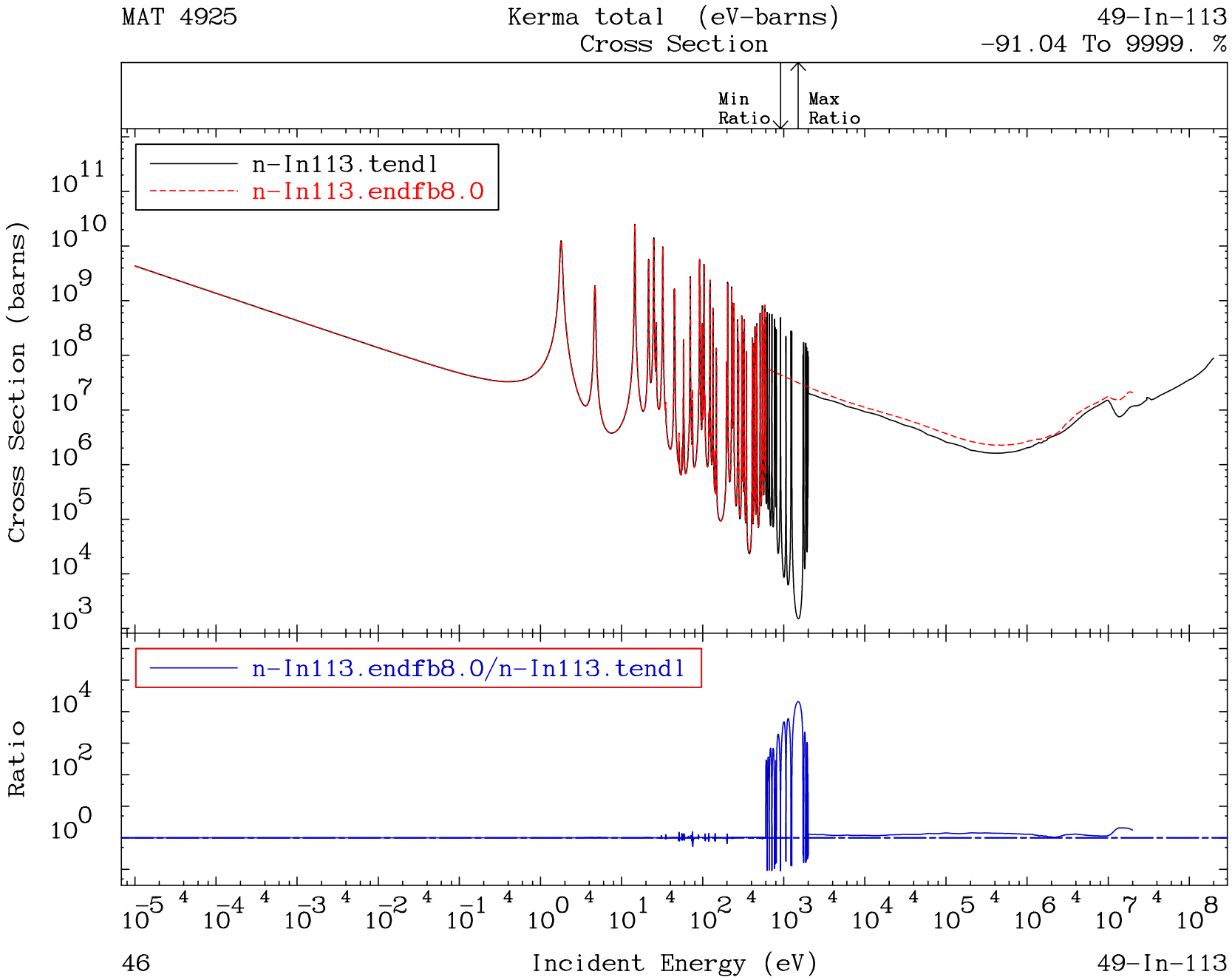

MAT 4925
Hydrogen Production
Cross Section
49-In-113
-100.0 To -43.17%
Min
Ratio
Max
Ratio
n-In113.tendl Threshold 1.9970 keV
n-In113.endfb8.0 Threshold 100.00 keV
Cross Section (barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-In113.endfb8.0/n-In113.tendl
Ratio
10^0
10^-3
10^-6
2 3 4 5 7 10^4 2 3 4 5 7 10^5 2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
41
Incident Energy (eV)
49-In-113

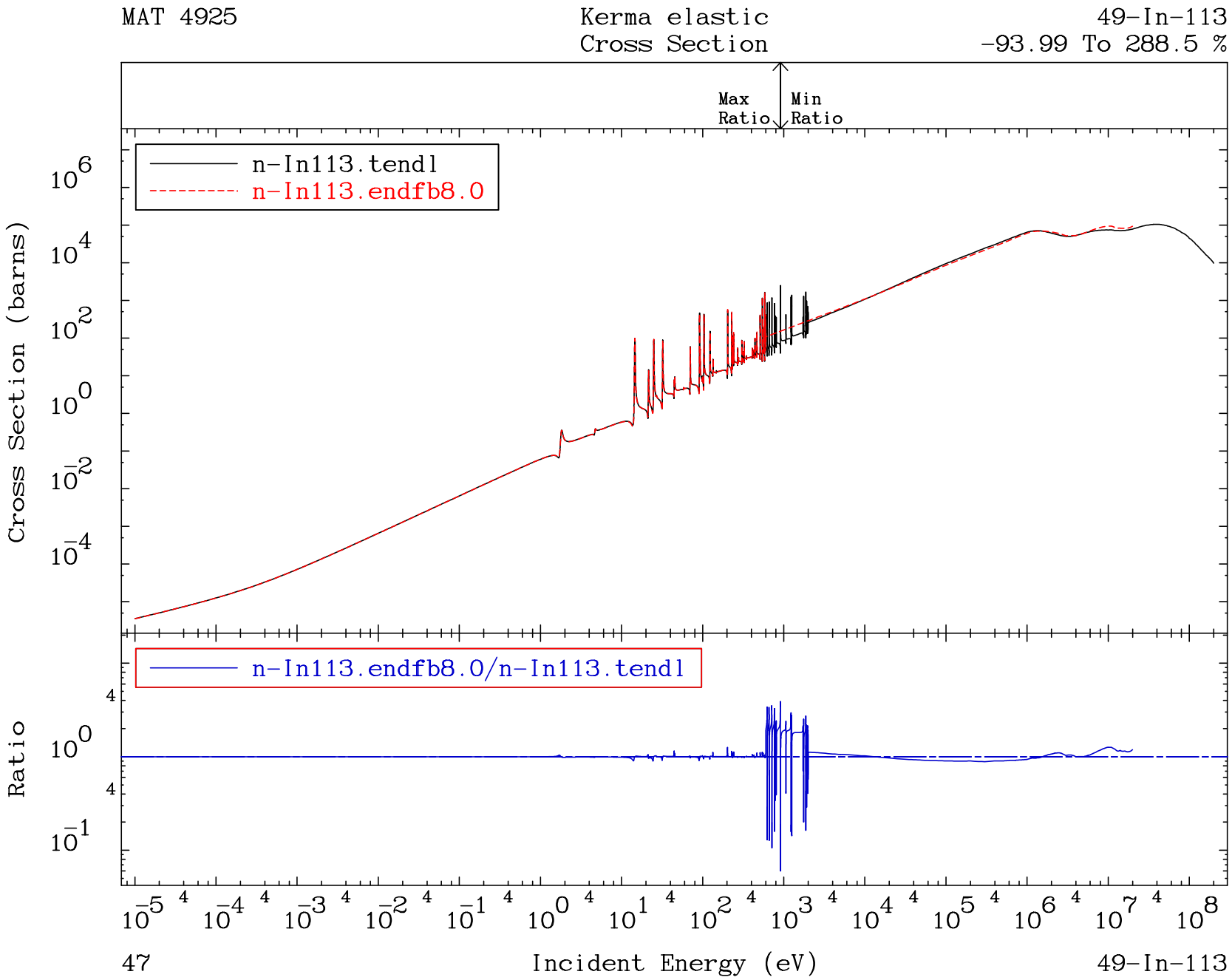

MAT 4925
Deuterium Production
Cross Section
49-In-113
-100.0 To 31.42 %
Min Ratio
Max Ratio
n-In113.tendl Threshold 3.8000 MeV
n-In113.endfb8.0 Threshold 4.9915 MeV
Cross Section (milli-barns)
500
400
300
200
100
0
n-In113.endfb8.0/n-In113.tendl
Ratio
10^0
10^-5
10^-10
10^-15
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
42
Incident Energy (eV)
49-In-113

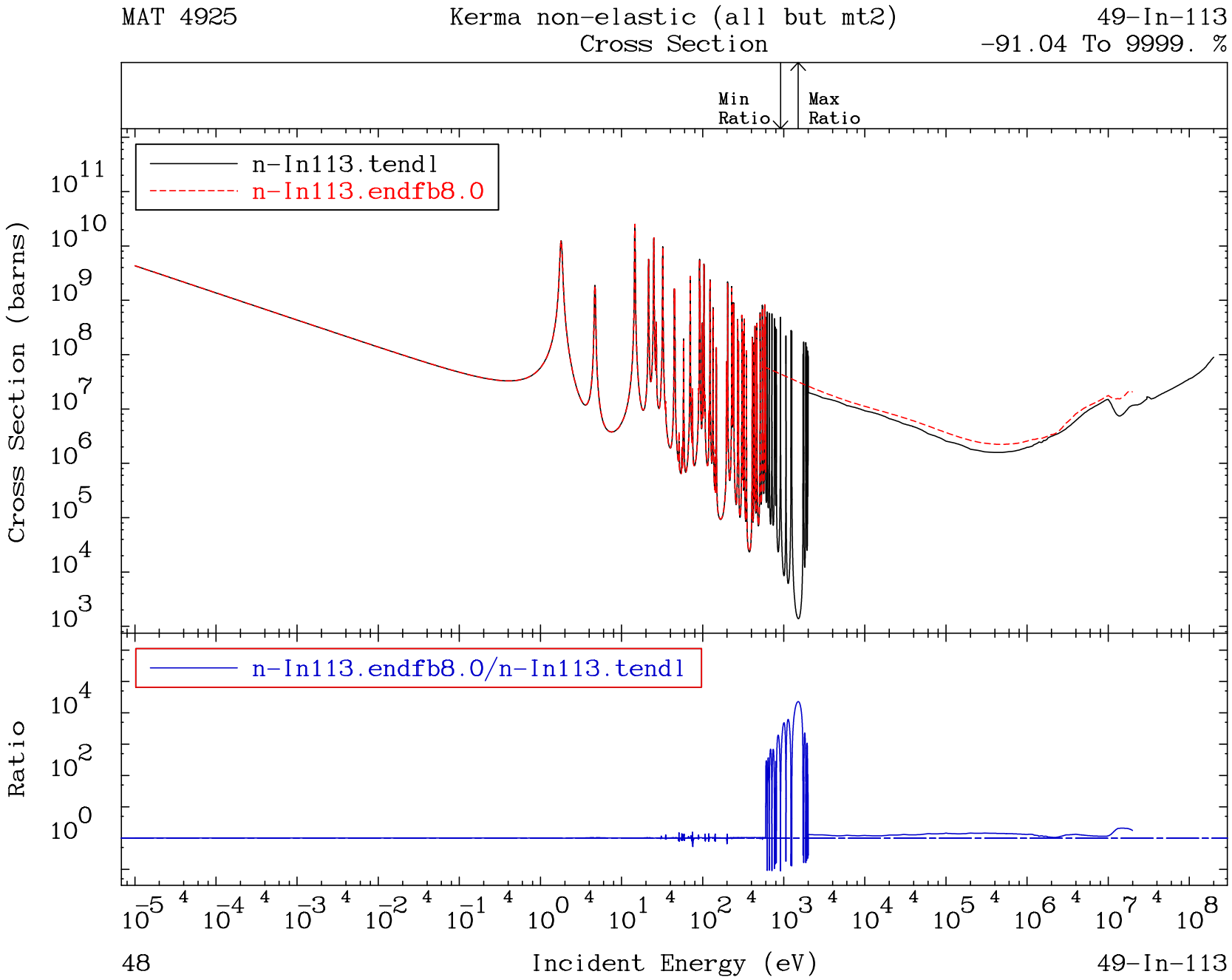

MAT 4925
Tritium Production
Cross Section
49-In-113
-100.0 To 8.805 %
Min Ratio
Max Ratio
n-In113.tendl Threshold 7.0558 MeV
n-In113.endfb8.0 Threshold 9.0000 MeV
Cross Section (milli-barns)
180
160
140
120
100
80
60
40
20
0
n-In113.endfb8.0/n-In113.tendl
Ratio
10^0
10^-3
10^-6
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
43
Incident Energy (eV)
49-In-113

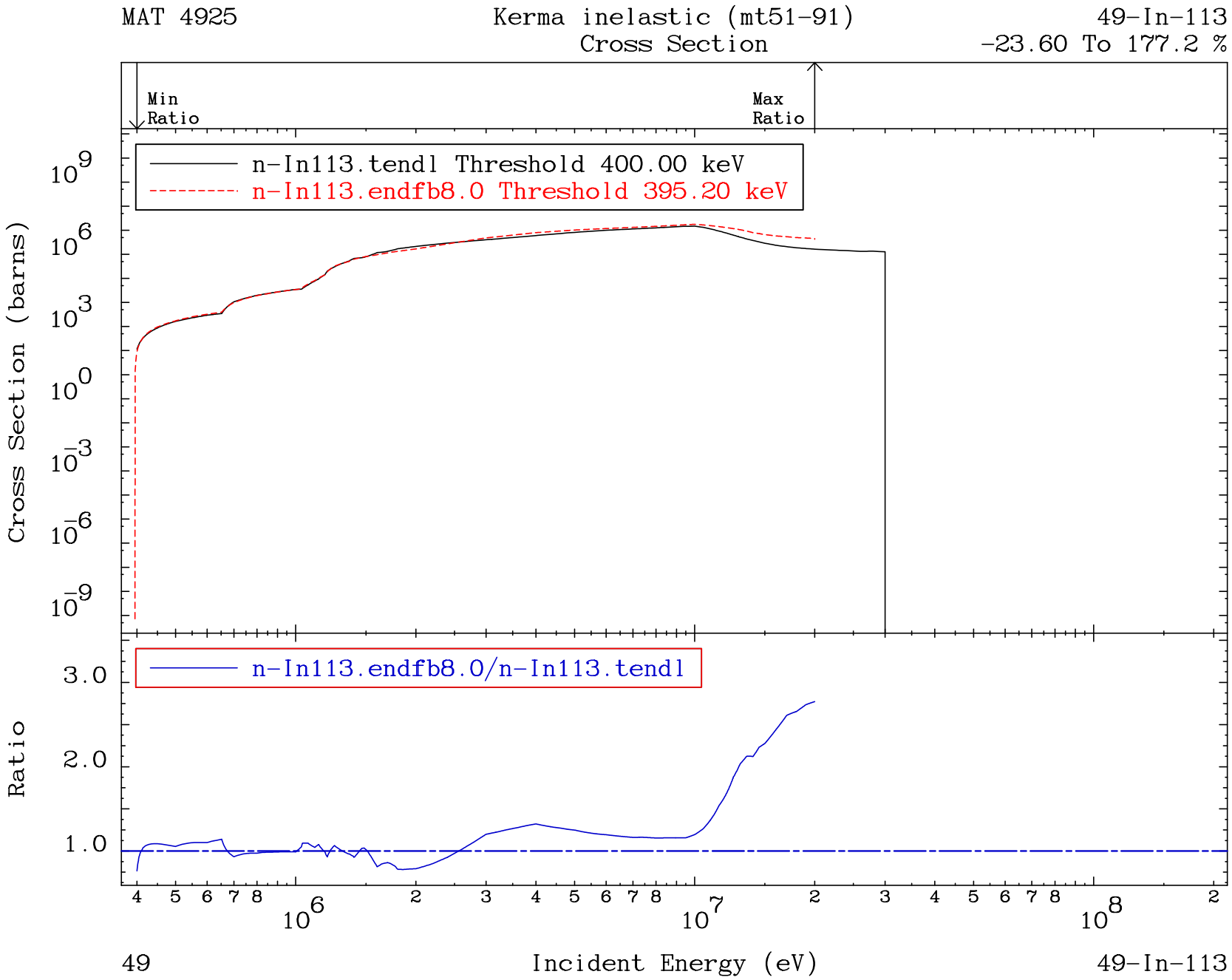

MAT 4925
He-3 Production
Cross Section
49-In-113
-99.98 To 737.1 %
Min Ratio
Max Ratio
n-In113.tendl Threshold 8.0831 MeV
n-In113.endfb8.0 Threshold 12.000 MeV
Cross Section (milli-barns)
400
300
200
100
0
n-In113.endfb8.0/n-In113.tendl
Ratio
10^0
10^-2
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
44
Incident Energy (eV)
49-In-113

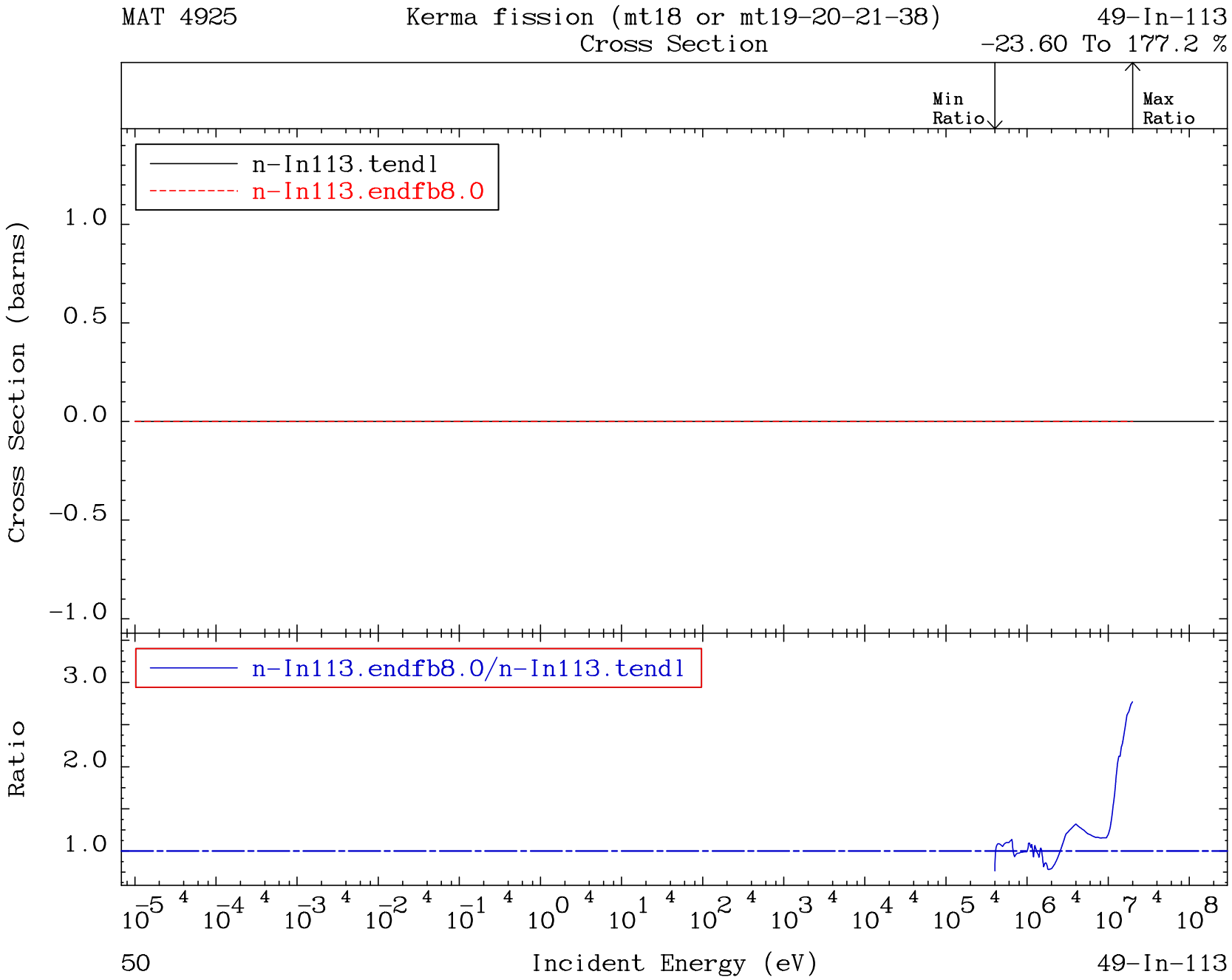

MAT 4925
He-4 Production
Cross Section
49-In-113
-99.49 To 9999. %
Min Ratio
Max Ratio
n-In113.tendl
n-In113.endfb8.0 Threshold 100.00 keV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
n-In113.endfb8.0/n-In113.tendl
Ratio
10^4
10^2
10^0
10^-2
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
45
Incident Energy (eV)
49-In-113

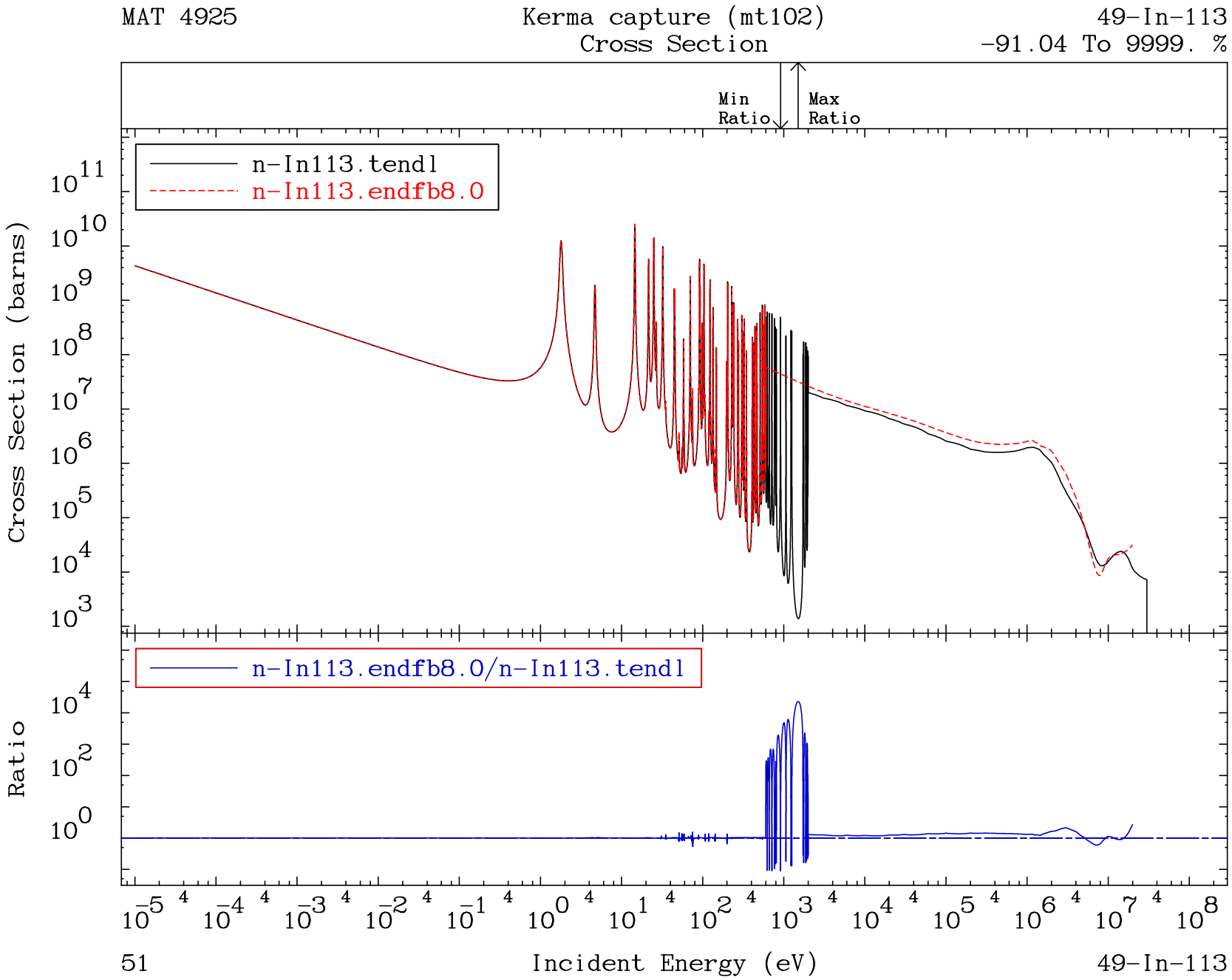

MAT 4925
Kerma total (eV-barns)
Cross Section
49-In-113
-91.04 To 9999. %
Min Ratio
Max Ratio
n-In113.tendl
n-In113.endfb8.0
Cross Section (barns)
n-In113.endfb8.0/n-In113.tendl
Ratio
Incident Energy (eV)
46
49-In-113

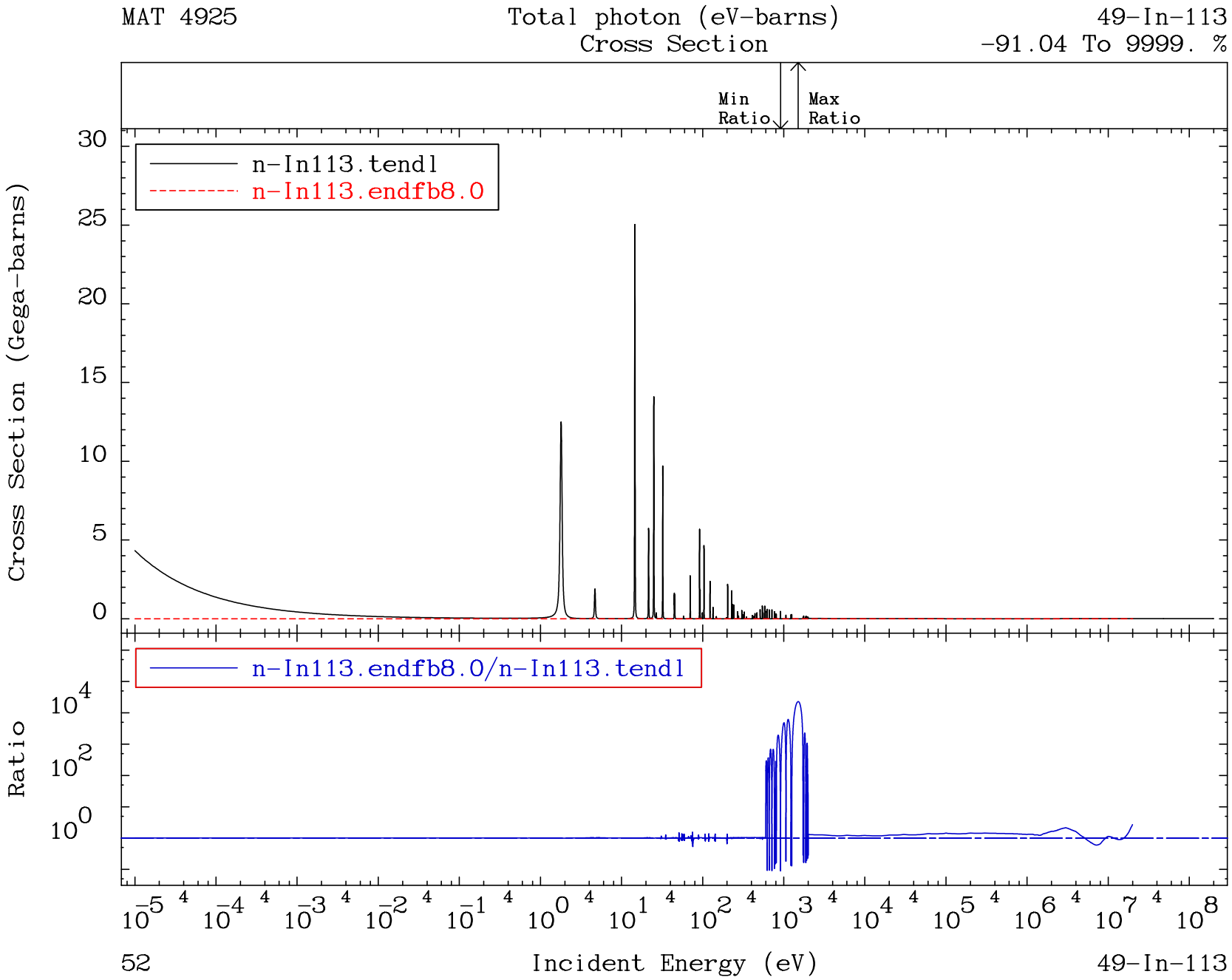

MAT 4925
Kerma elastic
Cross Section
49-In-113
-93.99 To 288.5 %
Max Ratio
Min Ratio
n-In113.tendl
n-In113.endfb8.0
Cross Section (barns)
n-In113.endfb8.0/n-In113.tendl
Ratio
Incident Energy (eV)
47
49-In-113

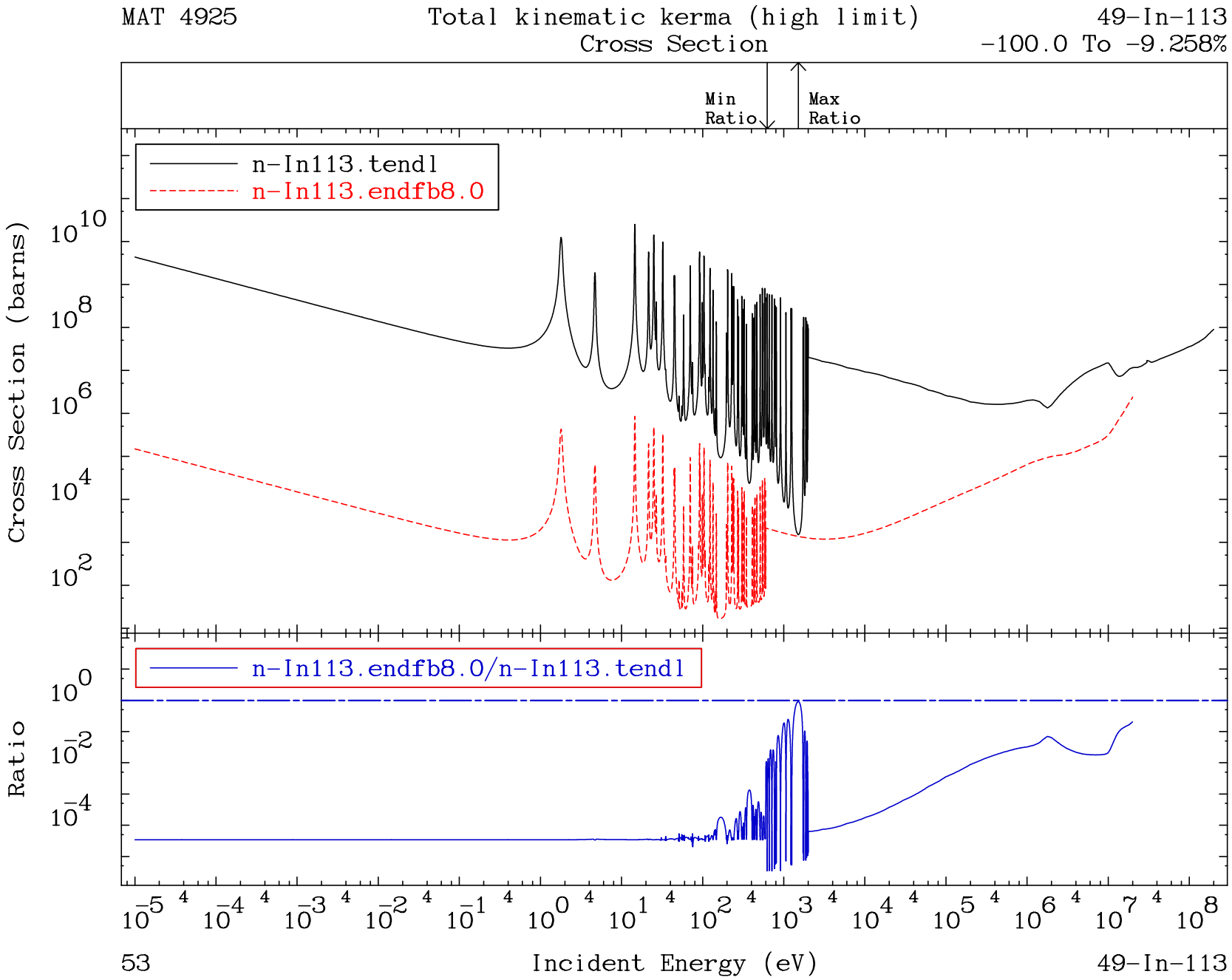

MAT 4925
Kerma non-elastic (all but mt2)
Cross Section
49-In-113
-91.04 To 9999. %
Min Ratio
Max Ratio
n-In113.tendl
n-In113.endfb8.0
Cross Section (barns)
n-In113.endfb8.0/n-In113.tendl
Ratio
Incident Energy (eV)
48
49-In-113

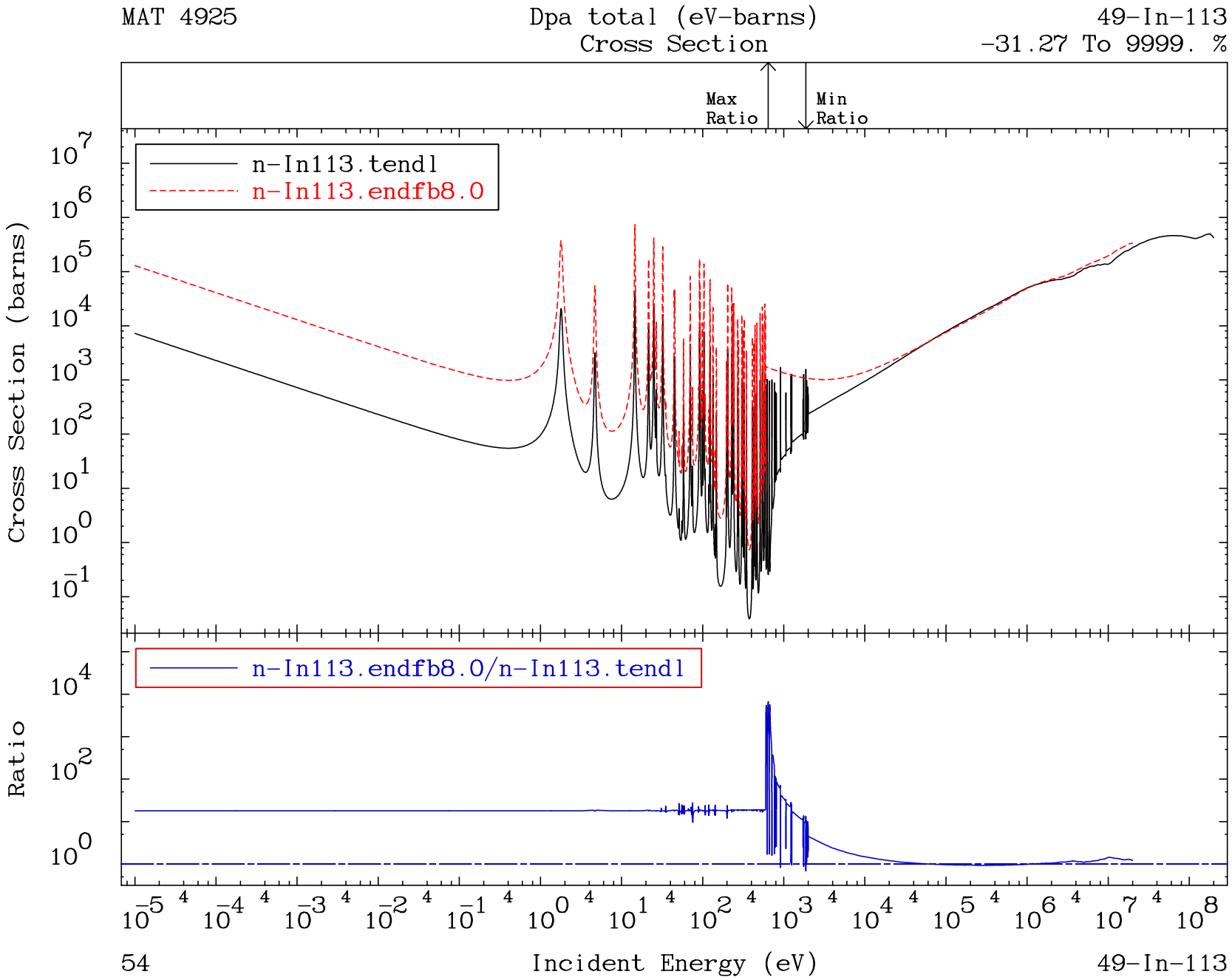

MAT 4925
Kerma inelastic (mt51-91)
Cross Section
49-In-113
-23.60 To 177.2 %
Min Ratio
Max Ratio
n-In113.tendl Threshold 400.00 keV
n-In113.endfb8.0 Threshold 395.20 keV
Cross Section (barns)
n-In113.endfb8.0/n-In113.tendl
Ratio
Incident Energy (eV)
49
49-In-113

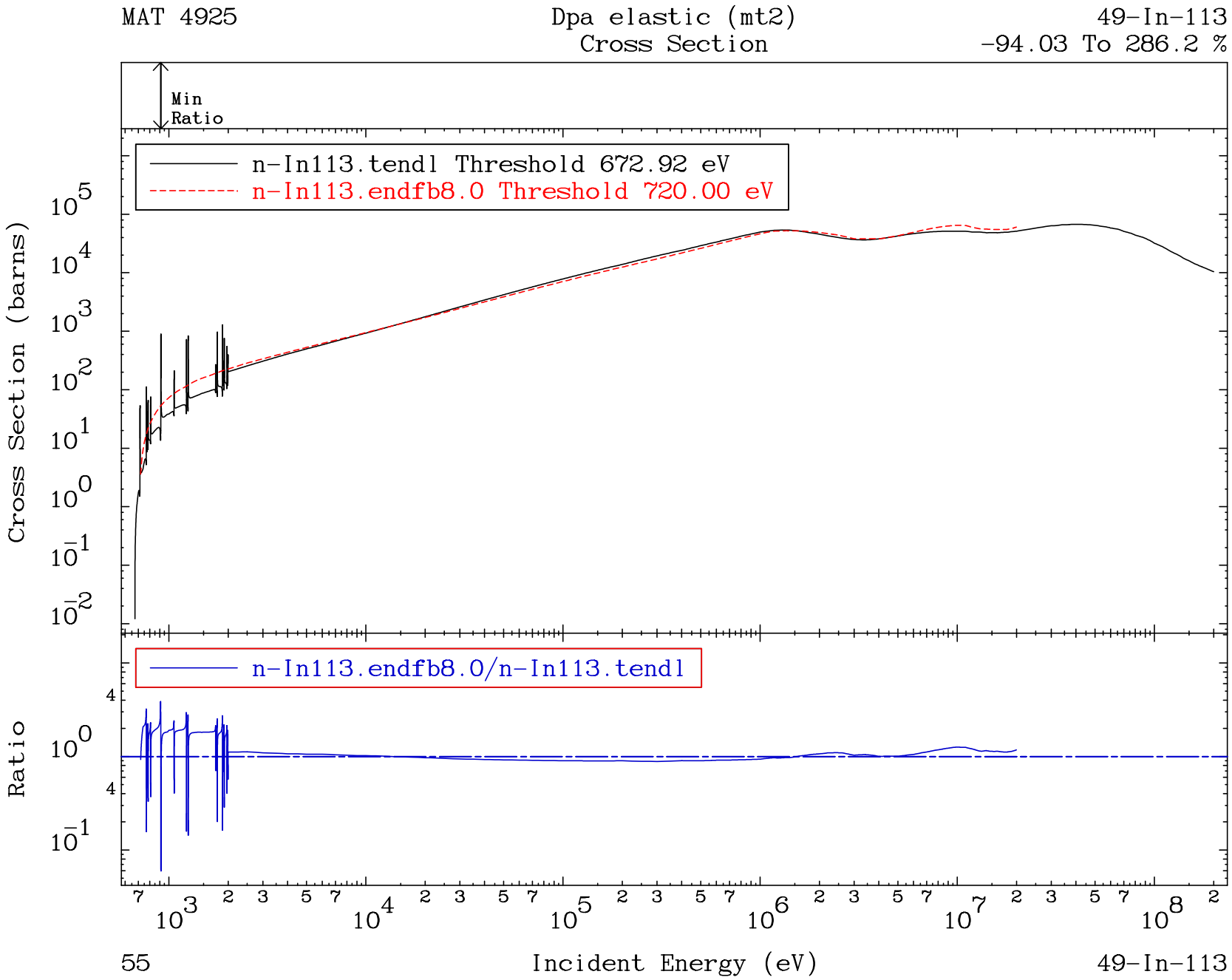

MAT 4925
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
49-In-113
-23.60 To 177.2 %
Min Ratio
Max Ratio
n-In113.tendl
n-In113.endfb8.0
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
n-In113.endfb8.0/n-In113.tendl
Ratio
3.0
2.0
1.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
50
Incident Energy (eV)
49-In-113

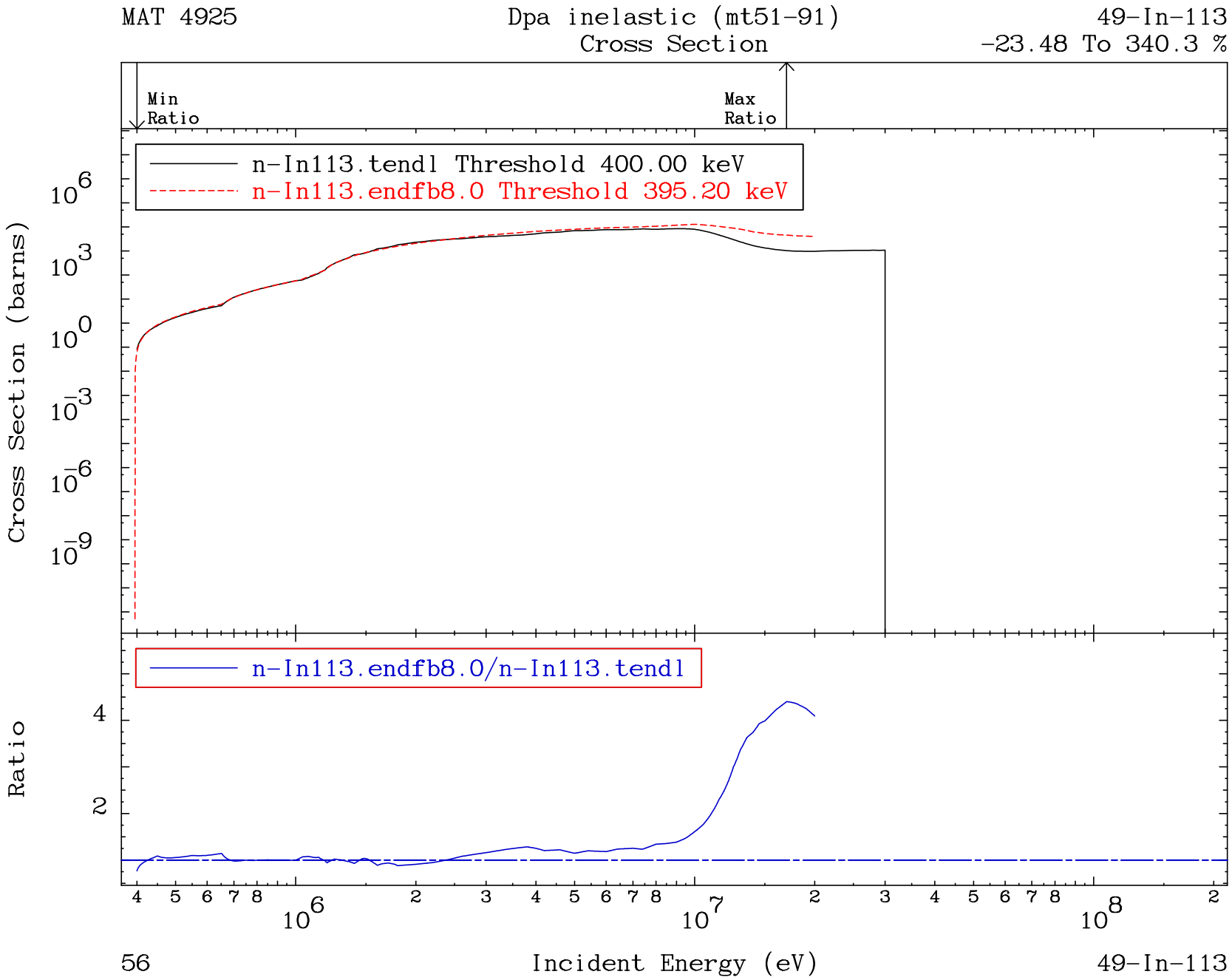

MAT 4925
Kerma capture (mt102)
Cross Section
49-In-113
-91.04 To 9999. %
Min Ratio
Max Ratio
n-In113.tendl
n-In113.endfb8.0
Cross Section (barns)
n-In113.endfb8.0/n-In113.tendl
Ratio
Incident Energy (eV)
51
49-In-113

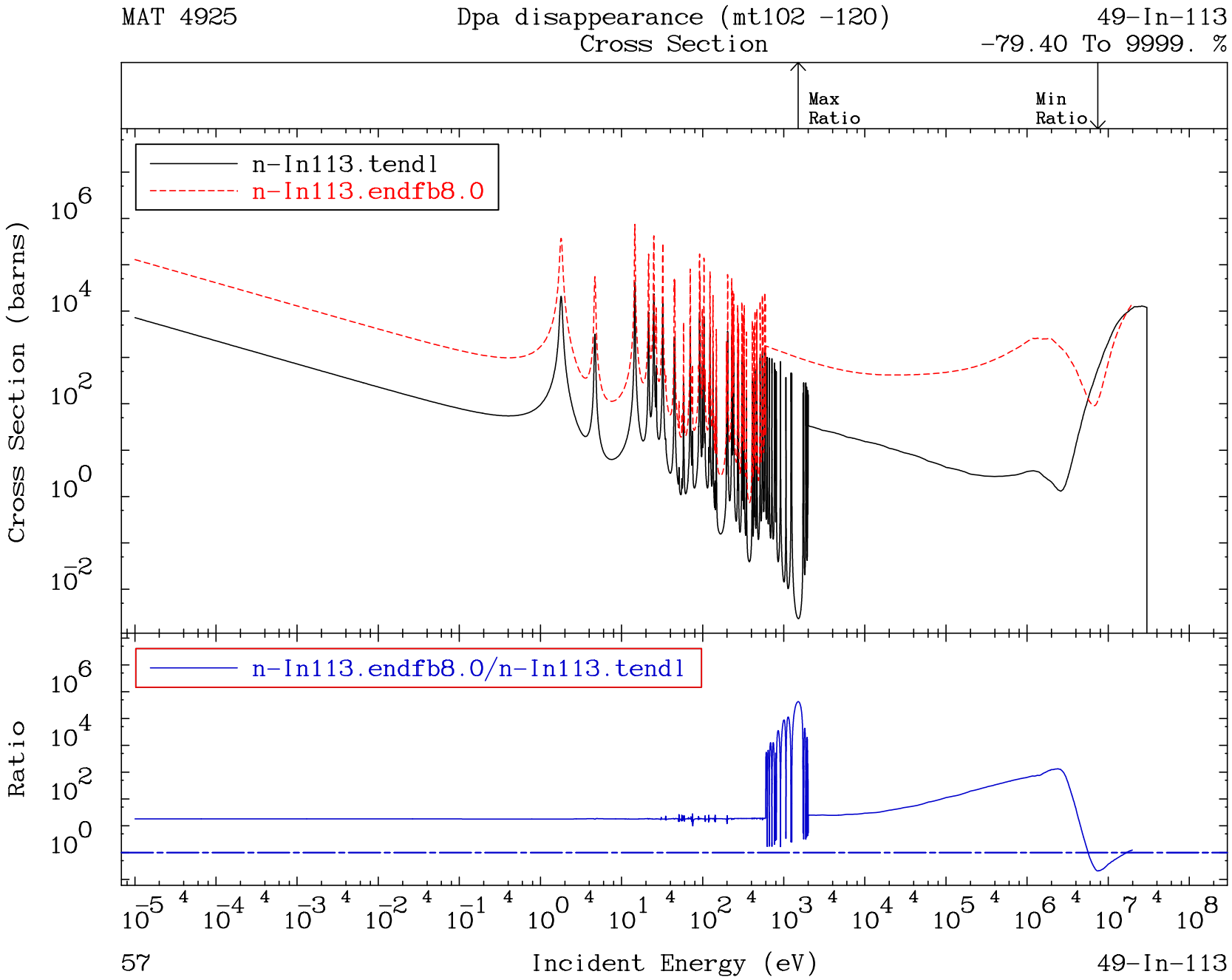

MAT 4925
Total photon (eV-barns)
Cross Section
49-In-113
-91.04 To 9999. %
Min Ratio
Max Ratio
n-In113.tendl
n-In113.endfb8.0
Cross Section (Giga-barns)
30
25
20
15
10
5
0
n-In113.endfb8.0/n-In113.tendl
Ratio
10^4
10^2
10^0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
52
Incident Energy (eV)
49-In-113


MAT 4925
Total kinematic kerma (high limit)
Cross Section
49-In-113
-100.0 To -9.258%
Min Ratio
Max Ratio
n-In113.tendl
n-In113.endfb8.0
Cross Section (barns)
n-In113.endfb8.0/n-In113.tendl
Ratio
Incident Energy (eV)
53
49-In-113


MAT 4925
Dpa total (eV-barns)
Cross Section
49-In-113
-31.27 To 9999. %
Max Ratio
Min Ratio
n-In113.tendl
n-In113.endfb8.0
Cross Section (barns)
n-In113.endfb8.0/n-In113.tendl
Ratio
Incident Energy (eV)
54
49-In-113


MAT 4925
Dpa elastic (mt2)
Cross Section
49-In-113
-94.03 To 286.2 %
Min
Ratio
n-In113.tendl Threshold 672.92 eV
n-In113.endfb8.0 Threshold 720.00 eV
Cross Section (barns)
n-In113.endfb8.0/n-In113.tendl
Ratio
Incident Energy (eV)
55
49-In-113


MAT 4925
Dpa inelastic (mt51-91)
Cross Section
49-In-113
-23.48 To 340.3 %
Min Ratio
Max Ratio
n-In113.tendl Threshold 400.00 keV
n-In113.endfb8.0 Threshold 395.20 keV
Cross Section (barns)
n-In113.endfb8.0/n-In113.tendl
Ratio
Incident Energy (eV)
56
49-In-113


MAT 4925
Dpa disappearance (mt102 -120)
Cross Section
49-In-113
-79.40 To 9999. %
Max Ratio
Min Ratio
n-In113.tendl
n-In113.endfb8.0
Cross Section (barns)
n-In113.endfb8.0/n-In113.tendl
Ratio
Incident Energy (eV)
57
49-In-113